



Diacclone

## DIACLONE Immunology Products

### Anti-Human CD130 Azide Free

Clone: B-P4

|                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>CATALOGUE N° :</b> | 852.090.000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>CLONE :</b>        | B-P4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>ISOTYPE :</b>      | Mouse IgG1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>IMMUNISATION :</b> | Natural soluble gp130                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>HYBRIDOMA :</b>    | Myeloma X63/AG.8653 x Balb/c spleen cells                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>SPECIFICITY :</b>  | Recognises the Gp130, common subunit for IL-6, IL-11, OSM, LIF, CNTF, CT-1 receptors, a 130-140 kDa protein                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>WORKSHOP :</b>     | VI                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>QUANTITY :</b>     | 200 µg / 200 µl (Discovery Size also available please enquire)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>PURIFICATION :</b> | Ion exchange chromatography                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>FORMAT :</b>       | Phosphate-buffered saline. Sterile-filtered through 0.22 µm. Carrier and preservative free                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>STORAGE :</b>      | Stable at +2-8°C for 12 months<br>For longer storage, freeze aliquots                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>APPLICATION :</b>  | Suitable for flow cytometry<br>Inhibits IL-11 activity and binding to gp130, but not CNTF, LIF and OSM activities<br>Suitable for immunoprecipitation<br>Suitable for Western Blot<br>Suitable for immunohistochemistry (reported in publications)<br>Recognises the soluble antigen                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>REFERENCES :</b>   | Adam, N. et al., J. Virol.,2009; JVI.01601-08.<br>Anhuf, D. et al.,J Immunol.,2000; 165(5): 2535-43.<br>Aoki, Y. et al., Blood,2001; 98(10): 3042-9.<br>Auguste, P. et al., J Biol Chem.,1997; 272(25): 15760-4.<br>Buk D. M. et al., J. Cell Sci., 2004; 117 : 2063 - 2075<br>Campbell, I. L. et al., J. Neurosci.,2014 ; 34(7): 2503-2513<br>Chevalier, S. et al., J Biol Chem.,1996; 271(25): 14764-72.<br>Classen-Linke I. et al., Mol. Hum. Reprod., 2004; 10 : 495 - 504<br>Friederichs, K. et al., Eur J Biochem,2001; 268(24): 6401-7.<br>Gatsios, P. et al., J Biol Chem.,1998; 273(36): 22962-8.<br>Giese B. et al., J. Biol. Chem., 2003; 278 : 39205 - 39213<br>Giese, B. et al., J Cell Sci.,2005; 118(Pt 21): 5129-40.<br>Gu, Z. J. et al., J Immunol Methods,1996; 190(1): 21-7.<br>Kurth I. et al., J. Immunol., 1999; 162(3) : 1480 -1487<br>Kurth, I. et al.,J Immunol.,2000; 164(1): 273-82.<br>Lebeau, B. et al., FEBS Lett.,1997; 407(2): 141-7.<br>Montero-Julian, F.A. et al., Clin Cancer Res.,1997; 3(8): 1443-51.<br>Müller-Newen G. et al., J. Biol. Chem., 2000; 275 (7) : 4578 - 4586<br>Pflanz S. et al., J. Immunol., 2000; 165 : 7042 - 7049<br>Schmitz, J. et al., J Immunol.,2000; 164(2): 848-54.<br>Schmitz, J. et al., J Biol Chem.,2000; 275(17): 12848-56.<br>Selander K.S. et al., Cancer Res., 2004; 64(19): 6924 - 6933<br>Tenhumberg, S. et al., J. Biol. Chem.,2008; M803694200.<br>Terstegen, L. et al., J Biol Chem.,2000; 275(25): 18810-7.<br>Timmermann, A. et al.,Eur J Biochem.,2002; 269(11): 2716-26<br>Waetzig, G. H. et al.,J. Biol. Chem.,2010; 285(3):1781-1789<br><br>Wijdenes, J. et al., Eur. J. Imm.,1995;25:3474-3481 |

#### 25 YEARS OF EXPERTISE

With over 25 years experience and extensive expertise we are committed to providing excellence in Monoclonal Antibody and Immunoassay development.

The expanding range of Diacclone Immunology products is specifically designed to advance research applications.

Our experience and expertise coupled to the diversity of our product range makes Diacclone a clear choice to

#### Fast Track Your Research...

#### DIACLONE PRODUCTS



Monoclonal Antibodies



ELISA



ELISpot



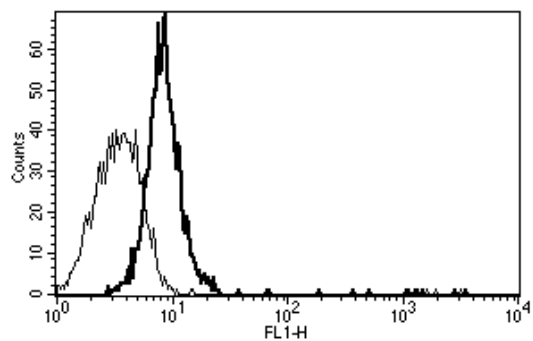
DIAplex

#### DIACLONE SAS

1 Boulevard A. Fleming – BP 1985  
25020 Besançon cedex – France  
Tel: +33 (0)3 81 41 38 38  
Fax: +33 (0)3 81 41 36 36  
info@diacclone.com



[www.diacclone.com](http://www.diacclone.com)



A typical staining pattern with the B-P4 monoclonal antibody of Eahy 926 cell line

Version 10 - 06.14

For research use only