

Anti-Rat Interleukin-13 (IL-13) clone A130D 12G5 1E4, Monoclonal Antibody

Catalog No:	CMI173
Size:	500 µg
Concentration:	0.5 mg/0.5 mL
Clone Number:	A130D 12G5 1E4
Isotype:	Mouse IgG ₁
Formulation:	Purified immunoglobulin in phosphate buffered saline, pH 7.2. Carrier and preservative free. 0.22 micron sterile filtered.
Purification:	Purified from ascites by Protein G affinity chromatography.
Purity:	>95% as determined by SDS-PAGE analysis.
Immunogen:	Recombinant rat IL-13
Specificity:	Recognizes recombinant and native rat IL-13.
Applications:	This antibody is suitable for use in flow cytometry, Western and dot blotting and ELISA applications.
Recommended Dilutions:	Centrifuge vial briefly before opening to bring contents to bottom of vial. For flow cytometry, use 0.1-1.0 µg per 10 ⁶ cells to detect intracellular IL-13 in PMA/ionophore-stimulated rat splenocytes. For Western and dot blotting, a 1:500-1:1000 dilution is recommended. The optimal antibody concentration should be determined for each specific application.
Storage:	Store at 2-8°C for up to one month. For long term use, store in aliquots below -20°C. Avoid repeated freeze/thaw cycles.
References:	<ol style="list-style-type: none">1) Prussin, C. and D. Metcalfe (1995) Detection of intracytoplasmic cytokine using flow cytometry and directly conjugated anti-cytokine antibodies. J. Immunol. Meth. 188:117-128.2) Takizawa, F. et al. (1993) Binding of phycoerythrin and its conjugates to murine low affinity receptors for immunoglobulin G. J. Immunol. Meth. 162:269-272.3) Sander, B. et al. (1993) Similar frequencies and kinetics of cytokine producing cells in murine peripheral blood and spleen. J. Immunol. Meth. 166:201-214.4) Björk, L. et al. (1995) Computerized assessment of production of multiple human cytokines at the single-cell level using image analysis. J. Leukocyte Biol. 59:287-295.



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