

Anti-CD14, clone biG 14, Monoclonal Antibody to Human and Bovine Monocytes

Catalog No:	CMC002	Size: 100 µg in PBS without NaN ₃ , lyophilized
Clone:	biG 14	
Category:	Protein G purified-lyophilized.	
Reconstitution:	For reconstitution, add 100 µl distilled water.	
Immunoglobulin Class	Mouse IgG _{2a}	
Antigen:	Monocytes of different species and immunoaffinity purified soluble human CD14.	
Special note:	biG 14 represents an excellent marker for CD14. The CD14 glycoprotein, gp 55, is present on most monocytic and macrophage-like cell types: monocytes, macrophages, Kupffer cells, pleural phagocytic cells and dendritic reticular cells. CD14 is also observed on granulocytes and activated or transformed B-cells. Furthermore, CD14 is present in a soluble form in human serum, urine and other body fluids. The CD14 molecule has been reported to be a receptor for endotoxin.	
Characteristics:	1 µg/ml biG 14 inhibits binding of 0.5 µg/ml LPS to CD14, binding epitope area is amino acids 39-44, binding epitope sites are a.a. 39-41, a.a. 43-44 Cross-reacts with CD14 of cattle++, swine++, dog+ horse+, guinea pig+, Inhibits binding of LPS to CD14 of swine++, dog+, cattle+ Binding titer with human CD14 transfected CHO-cells: greater than 1:10,000.	
Applications:	Suitable for immunostaining of CD14 positive cells (Flow cytometry), ELISA, CD14 inhibition studies and Western blot.	
Storage:	Long term storage at -20°C or -80°C.	
IgG content:	1 mg/ml	
CD14 binding (FACS)	titer	With CD14 ⁺ CHO cells: 1:5,000.

Caution: Not for human use. For research use only.

