

CD14

Mouse Anti-human CD14 (Clone biG 10) mAb

Catalog No.	CMC000	Quantity:	100 µg
Alternate Names:	Lipopolysaccharide receptor, LPS receptor		
Description:	Mouse Anti-human CD14 Clone biG 10 monoclonal antibody 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.		
Concentration:	1 mg/ml IgG, prior to lyophilization		
UniProt ID:	P08571		
Gene ID:	929		
Specificity:	Human CD14 binding epitope: amino acids 9-13, 39-44		
Host:	Mouse		
Immunogen:	Human monocytes, monocytes of different species and soluble human CD14		
Isotype:	IgG1		
Clone:	biG 10		
Biologic Activity:	Inhibits binding of LPS to CD14		
Formulation:	PBS without preservative or carrier protein.		
Purification:	Protein G affinity chromatography		
Reconstitution:	Centrifuge vial prior to opening. Add 100 µl sterile deionized water to the vial to fully solubilize the antibody.		
Cross-Reactivity:	Cross reacts with horse and bovine CD14 and inhibits binding of LPS to horse and bovine CD14.		
Applications:	Suitable for immunostaining of CD14 positive cells by Flow Cytometry, ELISA, CD14 Inhibition Studies, Western Blot.		
Application Notes:	Inhibition of LPS-binding to CD14: 100 µg/ml. Binding titer of human CD14 transfected CHO-cells: >10,000.		
Storage & Stability:	Lyophilized product is stable at room temperature for up to three weeks. On receipt, store at -20°C to -80°C. Reconstituted antibody should be used immediately or stored in working aliquots at -20°C to -80°C. For long term storage, it is recommended to add a carrier protein (0.1% BSA). Avoid repeated freeze-thaw cycles.		

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.



Cell Sciences®
65 Parker Street
Unit 11
Newburyport, MA 01950

Toll Free: 888-769-1246
Phone: 978-572-1070
Fax: 978-992-0298

E-mail: info@cellsciences.com
Website: www.cellsciences.com