

CD14

Mouse Anti-Human CD14 (Clone biG 14) mAb

Catalog No.	CMC002	Quantity:	100 µg
Alternate Names:	Lipopolysaccharide receptor, LPS receptor		
Description:	Mouse Anti-Human CD14 Clone biG 14 mAb 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 cooperates with other proteins to mediate the innate immune response to bacterial lipopolysaccharide.		
Concentration:	1 mg/ml IgG prior to lyophilization		
UniProt ID:	P08571		
Gene ID:	929		
Specificity:	Human CD14 binding epitope: amino acid 39-44		
Host:	Mouse		
Immunogen:	Monocytes of different species and immunoaffinity purified soluble human CD14		
Isotype:	IgG2a		
Clone:	biG 14		
Formulation:	PBS without preservative or carrier protein		
Purification:	Protein G affinity chromatography		
Reconstitution:	Centrifuge vial prior to opening. For reconstitution add 100 µl distilled water to get a concentration of 1 mg/ml in PBS.		
Cross-Reactivity:	Highly cross-reactive with cow and pig. Also shows some cross-reactivity with dog, horse, and guinea pig.		
Applications:	Suitable for immunostaining of CD14 positive cells by Flow Cytometry, ELISA, CD14 Inhibition Studies, Western Blot.		
Application Notes:	Inhibits binding of LPS to CD14 of pig++, dog+, bovine +, dog+. 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.		

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