

CD14

Mouse Anti-mouse CD14 clone biG 53 mAb

Catalog No.	CMC005	Quantity:	100 µg
Alternate Names:	Monocyte differentiation antigen CD14, myeloid cell-specific leucine-rich glycoprotein		
Description:	Clone biG 53 represents an excellent marker for mouse 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 mouse serum, urine and other body fluids. The CD14 molecule has been reported to be a receptor for endotoxin.		
Gene ID:	12475		
Host:	CD14 Knock Out Mouse		
Immunogen:	Recombinant mouse CD14		
Isotype:	IgG _{2a}		
Clone:	biG 53		
Formulation:	Lyophilized from a 1.0 mg/ml solution in PBS without NaN ₃ .		
Purification:	Protein G purified.		
Reconstitution:	Centrifuge vial prior to opening. Reconstitute with 100 µl sterile, distilled water and prepare working aliquots. Further dilution should contain 0.1% BSA for stability and to prevent loss.		
Applications:	Suitable for immunostaining of CD14 positive cells, inhibition studies, and ELISA. Binds LPS-activated mouse monocytes, mouse CD14-transfected cells, or recombinant mouse CD14.		
Application Notes:	Inhibits binding of LPS to CD14. Up to 1 µg/ml biG 53 inhibits binding of LPS (0.5 µg/ml) to 6 x 10 ⁵ CD14-transfected CHO cells as determined by Flow Cytometry. Binding titer of mouse CD14 transfected CHO cells: > 1:20,000 (ELISA, Flow cytometry). The optimal concentration should be determined by the user for each specific application.		
Storage & Stability:	Store working aliquots at -20°C to -80°C for up to 1 year. Avoid repeated freeze-thaw cycles.		

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



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