

## CD14

### Mouse Anti-Mouse CD14 (Clone biG 53) mAb

<b>Catalog No.</b>	CMC005	<b>Quantity:</b>	100 µg
<b>Alternate Names:</b>	Monocyte differentiation antigen CD14, myeloid cell-specific leucine-rich glycoprotein		
<b>Description:</b>	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.		
<b>UniProt ID:</b>	P10810		
<b>Gene ID:</b>	12475		
<b>Host:</b>	CD14 Knock Out Mouse		
<b>Immunogen:</b>	Recombinant mouse CD14		
<b>Isotype:</b>	IgG <sub>2a</sub>		
<b>Clone:</b>	biG 53		
<b>Formulation:</b>	Lyophilized from a 1.0 mg/ml solution in PBS without NaN <sub>3</sub> .		
<b>Purification:</b>	Protein G affinity chromatography		
<b>Reconstitution:</b>	<b>Centrifuge vial prior to opening.</b> Reconstitute with 100 µl sterile, distilled water and prepare working aliquots. Further dilution should contain 0.1% BSA for stability and to prevent loss.		
<b>Applications:</b>	Suitable for immunostaining of CD14 positive cells, inhibition studies, and ELISA. Binds LPS-activated mouse monocytes, mouse CD14-transfected cells, or recombinant mouse CD14.		
<b>Application Notes:</b>	<b>Inhibits binding of LPS to CD14.</b> Up to 1 µg/ml biG 53 inhibits binding of LPS (0.5 µg/ml) to 6 x 10 <sup>5</sup> 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.		
<b>Storage &amp; Stability:</b>	Store working aliquots at -20°C to -80°C for up to 1 year. <b>Avoid repeated freeze-thaw cycles.</b>		

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

