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Anti-mouse CD14, clone biG 53 Monoclonal Antibody

Catalog No.	CMC005	**Quantity:**	100 µg

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.

Host: CD14 Knock Out Mouse

Immunogen: Recombinant mouse CD14

Isotype: IgG_1

Clone: biG 53

Formulation: Lyophilized.

Purification: Protein G purified.

Reconstitution: **Centrifuge vial prior to opening**. Reconstitute with 100 µl sterile, distilled water.

Storage & Stability: Store at -20°C. **Avoid repeated freeze-thaw cycles**.

Applications: Suitable for immunostaining of CD14 positive cells, inhibition studies and ELISA.
Binds at LPS activated mouse monocytes as well as mouse CD14 transfected cells or recombinant mouse CD14
Inhibits binding of LPS to CD14. Up to 1 µg/ml biG 53 inhibits binding of FITC-LPS (0.5 µg/ml) to 6 x 10^5 $CD14^+$CHO transfectants (FACS).
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.

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

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