

Product datasheet for **AM05665RP-N**

Cd14 Mouse Monoclonal Antibody [Clone ID: biG57]

Product data:

Product Type:	Primary Antibodies
Clone Name:	biG57
Applications:	FC
Recommended Dilution:	Flow Cytometry: Use 10 µl of neat Antibody to label 1x10 ⁶ cells in 100 µl.
Reactivity:	Mouse
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Recombinant Mouse CD14
Specificity:	This Monoclonal antibody recognizes Mouse CD14. Antibodies produced by biG 57 do not inhibit the binding of CD14.
Formulation:	PBS, pH 7.4 Label: PE State: Lyophilised purified IgG fraction Stabilizer: 1% BSA Preservative: 0.09% Sodium Azide Label: R. Phycoerythrin (RPE)
Reconstitution Method:	Restore with 1.0 ml distilled water
Purification:	Affinity Chromatography on Protein G
Conjugation:	PE
Storage:	Store undiluted at 2-8°C. DO NOT FREEZE!
Stability:	Shelf life: one year from despatch.
Gene Name:	CD14 antigen
Database Link:	Entrez Gene 12475 Mouse P10810



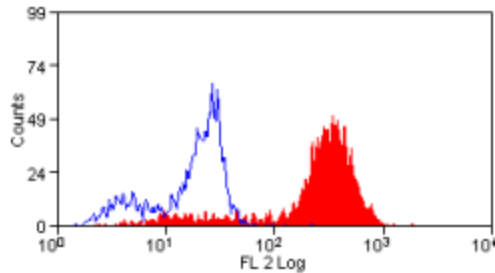
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Background:

CD14 is a 55kD a glycoposphoinositol-linked cell surface protein that also exists in a soluble form. Expression of CD14 is restricted to the myeloid lineage and is predominantly expressed on peripheral blood monocytes, weakly expressed on granulocytes and absent on myeloid progenitors. The CD14 molecule acts as a pattern recognition receptor, which binds lipopolysaccharide (LPS) and other microbial products such as lipoteichoic acid, lipoproteins and peptidoglycan. Binding of LPS to CD14 mediates the innate immune response to LPS and requires the Toll-like receptor-4 (TLR4)/MD-2 complex for effective signalling.

Synonyms:

CD14

Product images:

Staining of Mouse peripheral blood monocytes with Mouse anti Mouse CD14 -PE conjugated Antibody Cat.-No AM05665RP-N.