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Product datasheet for SM1066R

CD14 Mouse Monoclonal Antibody [Clone ID: Tük4]

Product data:

Product Type:	Primary Antibodies
Clone Name:	Tük4
Applications:	FC
Recommended Dilution:	**Flow Cytometry:** Use 10 µl of Neat-1/10 diluted antibody to label 10^6 cells or 100 µl whole blood.
Reactivity:	Bovine, Canine, Goat, Human, Porcine, Rabbit, Sheep
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	CD14 Human
Specificity:	This antibody recognises the CD14 cell surface antigen, expressed strongly by most peripheral blood monocytes and weakly on granulocytes. Clone TÜK4 has been shown to block SDF-induced chemotaxis of U937 cells in a dose-dependent manner. The use of SM1066LE is recommended for this purpose.
Formulation:	PBS Label: PE State: Lyophilized purified IgG fraction Stabilizer: 1% BSA, 5% Sucrose Preservative: 0.09% Sodium Azide Label: R. Phycoerythrin
Reconstitution Method:	Restore with 1 ml distilled water
Purification:	Affinity Chromatography on Protein G
Conjugation:	PE
Storage:	Prior to and following reconstitution store the antibody undiluted at 2-8°C. **DO NOT FREEZE!** This product is photosensitive and should be protected from light.
Stability:	Shelf life: one year from despatch.
Gene Name:	CD14 molecule

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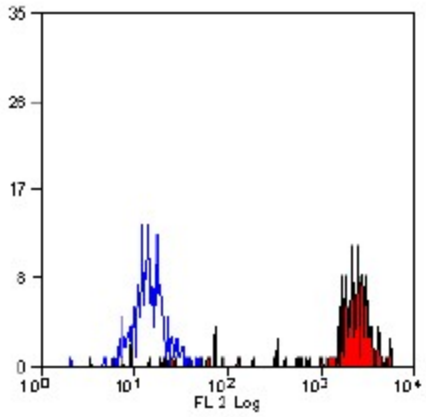
Database Link: Entrez Gene 929 Human
P08571

Background: CD14 is a single copy gene encoding 2 protein forms: a 50 to 55 kDa glycosylphosphatidylinositol anchored membrane protein (mCD14) and a monocyte or liver derived soluble serum protein (sCD14) that lacks the anchor. Both molecules are critical for lipopolysaccharide (LPS) dependent signal transduction, and sCD14 confers LPS sensitivity to cells lacking mCD14. Increased sCD14 levels are associated with inflammatory infectious diseases and high mortality in gram negative shock. CD14 also appears to be involved in clearance of gram-negative bacteria via its high affinity binding to LPS-LPB complexes.

Synonyms: CD14

Product images:



Staining of human peripheral blood monocytes probed with Mouse anti Human CD14 - RPE