

Mouse Anti-Human CD14, FITC Conjugated mAb

Catalog No: #28287



Package Size: #28287-1 25 Tests #28287-2 50 Tests #28287-3 100 Tests

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Description

Product Name	Mouse Anti-Human CD14, FITC Conjugated mAb
Host Species	Mouse
Clonality	Monoclonal
Clone No.	3A8
Isotype	Mouse IgG2a, κ
Applications	FC
Species Reactivity	Hu
Specificity	This antibody recognizes human CD14 in FACS.
Immunogen Description	Human peripheral blood mononuclear cells
Formulation	Lyophilized from a 0.2µm filtered solution in phosphate buffered saline (PBS) and reconstitute with sterile PBS
Storage	Store protected from light at 2-8°C. Do not freeze. The expiration date is indicated on the vial label.

Application Details

Format:Antibodies are supplied in buffer containing stabilizer and 0.05% sodium azide

Preparation:This antibody was produced from a hybridoma (mouse myeloma fused with spleen cells from a mouse immunized with human CD14 Recombinant Protein). The monoclonal antibody was purified from tissue culture supernatant or ascites by protein G affinity chromatography.

Product Notices:This reagent has been pre-diluted for use at the recommended volume per test.

We typically use 1 10⁶ cells in a 100-µl experimental sample (per test).

An isotype control should be used at the same concentration as the antibody of interest.

Product Description

Cluster of differentiation 14 (CD14) is a member of the CD system. It takes its name from its inclusion in the CD molecule surface marker proteins. CD14 exists in two forms: a form anchored into the membrane or a soluble form. CD14 was found expressed in macrophages, neutrophil granulocyte and dendritic cells. CD14 acts as a co-receptor (along with the Toll-like receptor TLR 4 and MD-2) for the detection of bacterial lipopolysaccharide (LPS). CD14 can bind LPS only in the presence of lipopolysaccharide-binding protein (LBP). Although LPS is considered its main ligand, CD14 also recognizes other pathogen-associated molecular patterns such as lipoteichoic acid.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.