

Mouse Anti-Human CD14,PE Conjugated mAb

Catalog No: #28288

Package Size: #28288-1 25 Tests #28288-2 50 Tests #28288-3 100 Tests

Orders: order@signalwayantibody.com

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Description

Product Name	Mouse Anti-Human CD14,PE 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

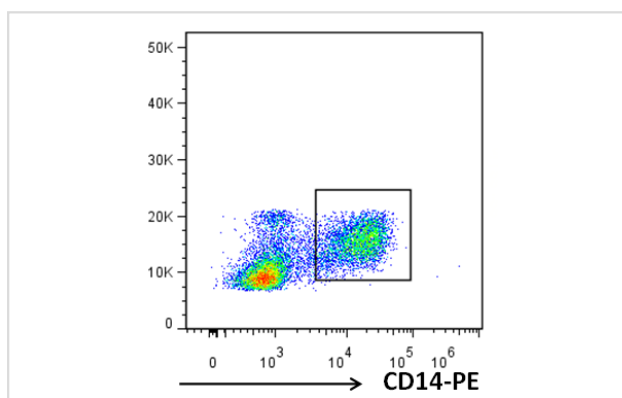
Preparation:This antibody was produced from a hybridoma (mouse myeloma fused with spleen cells from a mouse immunized with human CD14 Recombinant Protein). The monoclonal antibody was purified from tissue culture supernatant or ascites by protein G affinity chromatography.

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.

Images



Flow cytometric analysis of CD14 expression on human peripheral blood mononuclear cells (PBMCs). PBMCs were stained with either mouse IgG2a, κ Isotype control or mouse anti-human CD14 antibodies conjugated to PE. Fluorescence histograms showing the expression of CD14 (or Ig Isotype control staining) were derived from events with the forward and side light-scatter characteristics of viable cells. Flow cytometric analysis was performed using a Beckman FC 500 Flow Cytometer System.

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.