FITC Mouse Anti-Human CD14

Purified FITC-conjugated Recombinant Mouse Monoclonal Antibody

Catalog # F100405

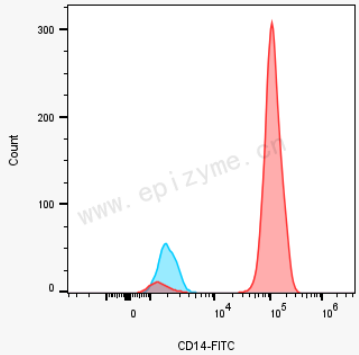
Product Information

Application	FC
Recommended Usage	5 µL per million cells in 100 µL staining volume or 5 µL per 100 µL of whole blood.
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Clone No.	83F86E77
Isotype	IgG1, κ
Label	FITC
Immunogen	Recombinant protein of human CD14
Format	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% (w/v) BSA.
Storage	Shipped on wet ice. Store undiluted between 2°C and 8°C and protected from prolonged exposure to light. Do not freeze.
Precautions	FITC Mouse Anti-Human CD14 [83F86E77] is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Synonyms	CD 14, CD_antigen=CD14, CD14, CD14 antigen, CD14 molecule, CD14_HUMAN, LPS-R, Mo2, Monocyte differentiation antigen CD14, Monocyte differentiation antigen CD14 urinary form, Monocyte differentiation antigen CD14, membrane-bound form, Myeloid cell specific leucine rich glycoprotein, Myeloid cell-specific leucine-rich glycoprotein.
Uniprot ID	P08571
Gene ID	929
Background	CD14 is a 53-55 kD glycosylphosphatidylinositol (GPI)-linked membrane glycoprotein that is also known as the LPS receptor. CD14 is expressed at high levels on monocytes and macrophages, and at lower levels on granulocytes. Some dendritic cell populations such as interfollicular dendritic cells, reticular dendritic cells, and Langerhans cells have also been reported to express CD14. As a high-affinity receptor for LPS, CD14 is involved in the clearance of gram-negative pathogens and in the upregulation of adhesion molecules and cytokine expression in monocytes and neutrophils.
Cellular Location	Cell membrane.
Tissue Location	Expressed strongly on the surface of monocytes and weakly on the surface of granulocytes; also expressed by most tissue macrophages.

Validation Images



Typical flow-cytometry histograms of human peripheral-blood lymphocytes stained with Anti-CD14-FITC (F100405) (red) and isotype control (blue).