RF647 Mouse Anti-Human CD14

Purified RF647-conjugated Recombinant Mouse Monoclonal Antibody

Catalog # F100416

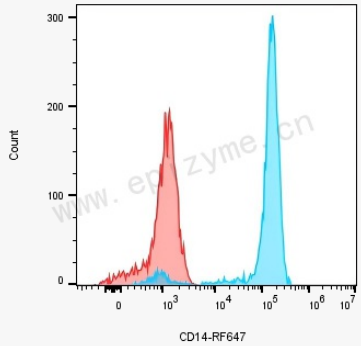
Product Information

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	RF647
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	RF647 Mouse Anti-Human CD14 [83F86E77] is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Synonyms	CD_antigen=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	The protein encoded by this gene is a surface antigen that is preferentially expressed on monocytes/macrophages. It cooperates with other proteins to mediate the innate immune response to bacterial lipopolysaccharide, and to viruses. This gene has been identified as a target candidate in the treatment of SARS-CoV-2-infected patients to potentially lessen or inhibit a severe inflammatory response. Alternative splicing results in multiple transcript variants encoding the same protein. [provided by RefSeq, Aug 2020]
Cellular Location	Cell membrane; Lipid-anchor, GPI-anchor. Secreted. Membrane raft. Golgi apparatus. Note: Secreted forms may arise by cleavage of the GPI anchor.
Tissue Location	Detected on macrophages (at protein level) (PubMed:1698311). 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-RF647 (F100416) (blue) superimposed with unstained control (red).