CD14 Antibody LPSR/654 / Macrophage Marker MAb [clone LPSR/654] (V2418)

Catalog No.	Formulation	Size
V2418-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V2418-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V2418SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2b, kappa
Clone Name	LPSR/654
Purity	Protein G affinity chromatography
Buffer	1X PBS, pH 7.4
UniProt	P08571
Localization	Cell surface
Applications	Flow cytometry: 1-2ug/10^6 cells Immunofluorescence: 1-2ug/ml
Limitations	This CD14 Antibody LPSR/654 is available for research use only.



Description

CD14 Antibody LPSR/654 recognizes a protein of 55kDa, identified as Cluster of Differentiation 14 (also known lipopolysaccharide receptor or LPSR). CD14 is expressed strongly on monocytes and macrophage and weakly on the surface of neutrophils. It is anchored to cells by linkage to glycosylphosphatidylinositol (GPI) and functions as a high affinity receptor for complexes of LPS and LPS binding protein (LBP). Soluble CD14, also binding to LPS, acts at physiological concentration as an LPS agonist and has, at higher concentrations, an LPS antagonizing effect in cell activation.

For an alternative antibody targeting the same monocyte and macrophage surface marker, see our CD14 Antibody LPSR/2385, a mouse monoclonal antibody featuring IHC, western blot, flow cytometry, and protein microarray validation.

Application Notes

Variations in protocols, secondaries and substrates may require the CD14 Antibody LPSR/654 to be titered up or down for optimal performance.

Immunogen

Human CD14/LPSR recombinant protein was used as immunogen for this CD14 Antibody LPSR/654.

Storage

CD14 Antibody LPSR/654 with azide can be stored at 2-8oC. The azide-free format should be aliquoted and stored at -20oC or colder.

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