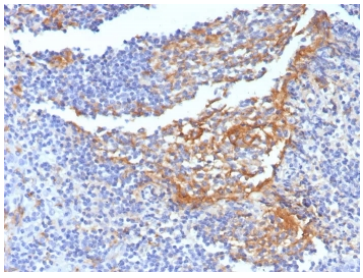
CD14 Antibody LPSR/7738 / Mouse Monoclonal [clone LPSR/7738] (V5447)

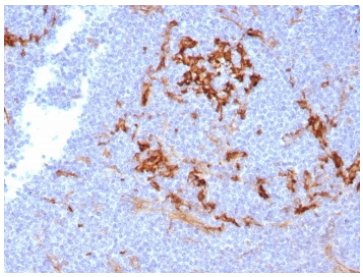
Catalog No.	Formulation	Size
V5447-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V5447-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V5447SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

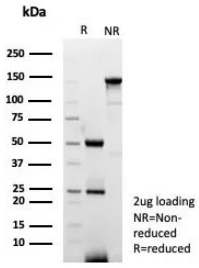
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2, kappa
Clone Name	LPSR/7738
Purity	Protein A/G affinity
UniProt	P08571
RRID	AB_3756924
Localization	Cell membrane
Applications	Immunohistochemistry (FFPE): 1-2ug/ml
Limitations	This CD14 Antibody LPSR/7738 is available for research use only.



IHC staining of FFPE human tonsil tissue with CD14 Antibody LPSR/7738. HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



CD14 Antibody LPSR/7738 Immunohistochemistry Analysis. IHC staining of FFPE human lymph node tissue with CD14 antibody (clone LPSR/7738). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



SDS-PAGE analysis of purified, BSA-free CD14 antibody (clone LPSR/7738) as confirmation of integrity and purity.

Description

CD14 Antibody LPSR/7738 recognizes a protein of 55kDa, identified as CD14 (also known lipopolysaccharide receptor). CD14 is expressed strongly on monocytes and macrophage and weakly on the surface of neutrophils. CD14 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

Optimal dilution of the CD14 Antibody LPSR/7738 should be determined by the researcher.

Immunogen

A recombinant fragment of human CD14 protein (within amino acids 1-200) was used as the immunogen for the CD14 Antibody LPSR/7738.

Storage

Aliquot the CD14 Antibody LPSR/7738 and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

Alternate Names

CD14 antibody, LPS Receptor antibody, Lipopolysaccharide Receptor antibody, Monocyte Marker antibody, Macrophage Marker antibody, Monocyte Differentiation Antigen CD14 antibody, Cluster of Differentiation 14 antibody

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