Recombinant CD14 (Monocyte / Macrophage Marker) Antibody

Mouse Monoclonal Antibody [Clone rLPSR/2408]

Catalog No	Format	Size
929-MSM12-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
929-MSM12-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
929-MSM12-P1ABX	Purified Ab WITHOUT BSA or Azide at 1.0mg/ml	100 ug

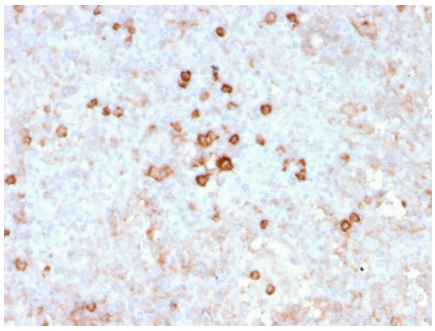
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

Product Details

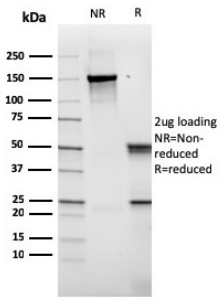
Clone	rLPSR/2408
Immunogen	Recombinant fragment (around aa4-124) of the human CD14 protein (exact sequence is proprietary)
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG1 / Kappa
Mol. Weight of Antigen	40.08kDa
Cellular Localization	Cell membrane, Golgi apparatus, Membrane raft, Secreted
Species Reactivity	Human
Positive Control	A549, THP-1 cells and human monocytes. Lymph nodes and tonsils. Kidney, Liver.

**Optimal dilution for a specific application should be determined.*

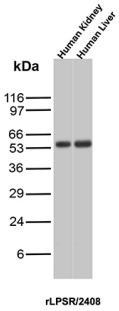
Product Images for Recombinant CD14 (Monocyte / Macrophage Marker) Antibody



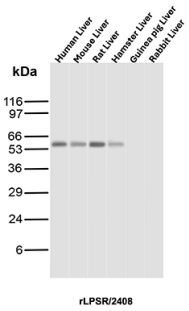
Formalin-fixed, paraffin-embedded human spleen stained with CD14 Recombinant Mouse Monoclonal Antibody (rLPSR/2408).



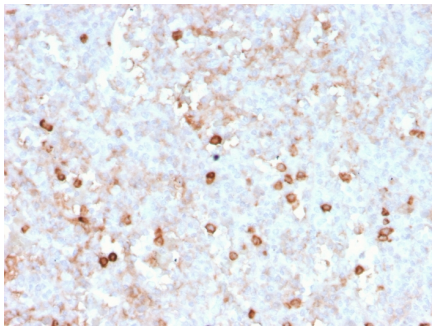
SDS-PAGE Analysis of Purified CD14 Recombinant Mouse Monoclonal Antibody (rLPSR/2408). Confirmation of Purity and Integrity of Antibody.



Western Blot Analysis of Human Kidney and Human Liver tissue lysates using CD14 Recombinant Mouse Monoclonal Antibody (rLPSR/2408).



Western Blot Analysis of Liver tissue lysates of different species using CD14 Recombinant Mouse Monoclonal Antibody (rLPSR/2408).



Formalin-fixed, paraffin-embedded human spleen stained with CD14 Recombinant Mouse Monoclonal Antibody (rLPSR/2408).

Specificity & Comments

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.

Supplied As

200ug/ml of Ab produced in a mammalian-based expression system. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8 °C. Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.

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