Recombinant CD48 (Pan Leukocyte Marker) Antibody

Mouse Monoclonal Antibody [Clone rCD48/8834]

Catalog No	Format	Size
962-MSM15-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
962-MSM15-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
962-MSM15-P1ABX	Purified Ab WITHOUT BSA or Azide at 1.0mg/ml	100 ug

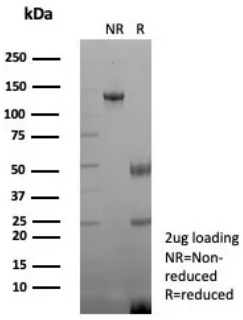
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

Product Details

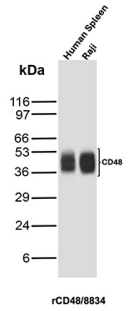
Clone	rCD48/8834
Immunogen	Recombinant fragment (around aa59-178) of the human CD48 protein (exact sequence is proprietary)
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG1 / Kappa
Mol. Weight of Antigen	27.68kDa
Cellular Localization	Cell membrane, Membrane raft, Secreted
Species Reactivity	Human
Positive Control	Raji cells. Human lymph node or tonsil. Spleen.

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

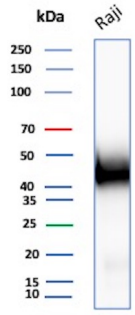
Product Images for Recombinant CD48 (Pan Leukocyte Marker) Antibody



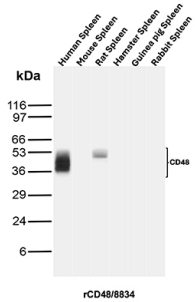
SDS-PAGE Analysis of Purified CD48 Recombinant Mouse Monoclonal Antibody (rCD48/8834). Confirmation of Purity and Integrity of Antibody.



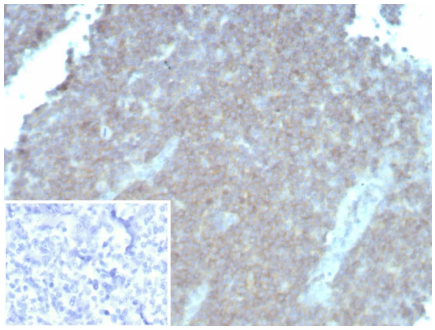
Western blot analysis of Human Spleen and Raji lysates using CD48 Monospecific Recombinant Mouse Monoclonal Antibody (rCD48/8834).



Western blot analysis of Raji cell lysate using CD48 Monospecific Recombinant Mouse Monoclonal Antibody (rCD48/8834).



Western blot analysis of spleen tissue lysates from human and rat using CD48 Recombinant Mouse Monoclonal Antibody (rCD48/8834).



Formalin-fixed, paraffin-embedded human tonsil stained with CD48 Recombinant Mouse Monoclonal Antibody (rCD48/8834). Inset: PBS instead of primary antibody; secondary only negative control.

Specificity & Comments

Reacts with human CD48, a 45kDa glycosyl phophatidyl-inositol (GPI)-anchored cell surface protein. CD48 is strongly expressed on lymphocytes and monocytes and weakly on granulocytes but is absent on platelets, fibroblasts, epithelium and endothelium. CD48 is one of marker for detecting the defects of GPI anchoring structure on the patients with paroxysmal nocturnal hemoglobulinuria (PNH) and serves as a low affinity ligand for CD2.

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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