Recombinant CD38 (ADP Ribosyl Cyclase I) Antibody

Mouse Monoclonal Antibody [Clone rCD38/6447]

Catalog No	Format	Size
952-MSM9-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
952-MSM9-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
952-MSM9-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

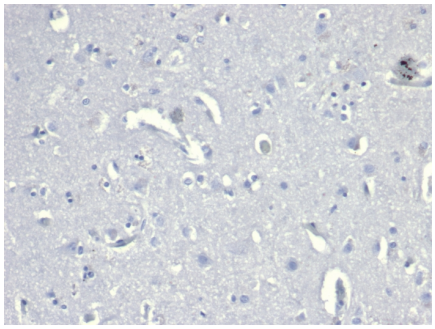
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

Product Details

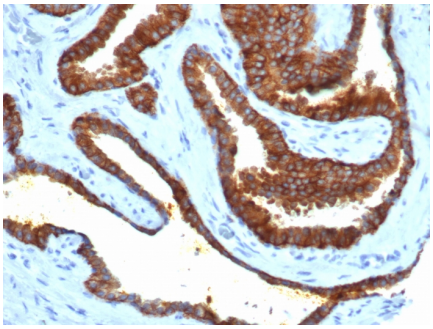
Clone	rCD38/6447
Gene Name	CD38
Immunogen	Synthetic peptide corresponding to residues within aa 200-300 of human CD38 (exact sequence is proprietary)
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG2a / Kappa
Mol. Weight of Antigen	~45kDa (Glycoprotein); 35kDa (protein core)
Cellular Localization	Membrane
Species Reactivity	Human
Positive Control	Human tonsil or spleen. Raji cells.

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

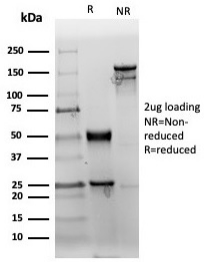
Product Images for Recombinant CD38 (ADP Ribosyl Cyclase I) Antibody



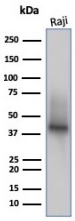
IHC analysis of formalin-fixed, paraffin-embedded human brain. Negative tissue control using rCD38/6447 at 2ug/ml in PBS for 30min RT. HIER: Tris/EDTA, pH9.0, 45min. 2°C: HRP-polymer, 30min. DAB, 5min.



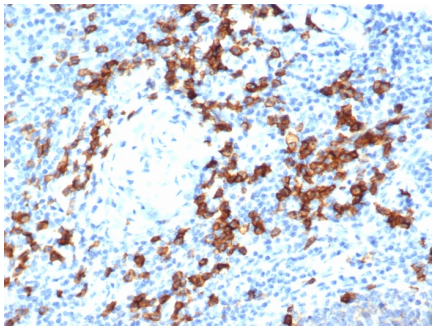
IHC analysis of formalin-fixed, paraffin-embedded human prostate adenocarcinoma. Strong cytoplasmic and membranous staining using rCD38/6447 at 2ug/ml in PBS for 30min RT. HIER: Tris/EDTA, pH9.0, 45min. 2°C: HRP-polymer, 30min. DAB, 5min.



SDS-PAGE Analysis of Purified CD38 Recombinant Mouse Monoclonal Antibody (rCD38/6447). Confirmation of Purity and Integrity of Antibody.



Western blot analysis of Raji cell lysate using CD38 Recombinant Mouse Monoclonal Antibody (rCD38/6447).



IHC analysis of formalin-fixed, paraffin-embedded human tonsil. Strong cytoplasmic and membranous staining using rCD38/6447 at 2ug/ml in PBS for 30min RT. HIER: Tris/EDTA, pH9.0, 45min. 2°C: HRP-polymer, 30min. DAB, 5min.

Specificity & Comments

CD38 is a type II transmembrane glycoprotein that is present on early B- and T-cell lineages and activated B- and T-cells but is absent from most mature resting peripheral lymphocytes. CD38 is found on thymocytes, pre-B cells, germinal center B-cells, mitogen-activated T-cells, monocytes and Ig-secreting plasma cells. CD38 is expressed on CD34+ cells. The CD34+CD38- population of hematopoietic stems cells define the most pluripotent cells (e.g.blast colony forming cells).

Supplied As

200ug/ml of Ab produced in CHO cell 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.

Research Areas

B Cell Markers, Hematopoietic Stem Cells

Limitations and Warranty

This antibody is available for research use only and is not approved for 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.