CD38 (ADP Ribosyl Cyclase I) Antibody

Mouse Monoclonal Antibody [Clone CD38/1197]

Catalog No	Format	Size
952-MSM7-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
952-MSM7-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
952-MSM7-P1ABX	Purified Ab WITHOUT BSA or Azide at 1.0mg/ml	100 ug

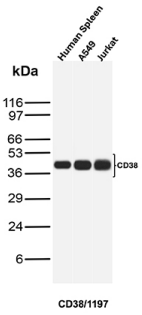
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes

Product Details

Clone	CD38/1197
Immunogen	Recombinant full-length human CD38 protein
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG
Mol. Weight of Antigen	34.33kDa
Cellular Localization	Cell surface, Membrane
Species Reactivity	Human
Positive Control	Expressed at high levels in pancreas, liver, kidney, brain, testis, ovary, placenta, malignant lymphoma and neuroblastoma

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

Product Images for CD38 (ADP Ribosyl Cyclase I) Antibody



Western blot analysis of human spleen tissue lysates and A549 and Jurkat cell lysates using CD38 Mouse Monoclonal Antibody (CD38/1197).

Specificity & Comments

Synthesizes cyclic ADP-ribose (cADPR), a second messenger for glucose-induced insulin secretion (PubMed:7961800, PubMed:8253715). Synthesizes the Ca(2+) mobilizer nicotinate-adenine dinucleotide phosphate, NAADP(+), from 2'-phospho-cADPR and nicotinic acid, as well as from NADP(+) and nicotinic acid. At both pH 5.0 and pH 7.4 preferentially transforms 2'-phospho-cADPR into NAADP(+), while preferentially cleaving NADP(+) to cADPR and ADPRP rather than into NADDP(+) (PubMed:16690024). Has cADPR hydrolase activity (PubMed:7961800, PubMed:8253715).

Supplied As

200ug/ml of Ab purified from Bioreactor Concentrate by Protein A. 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.