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Product datasheet for UM800153CF

CD38 Mouse Monoclonal Antibody [Clone ID: UMAB263]

Product data:

Product Type:	Primary Antibodies
Clone Name:	UMAB263
Applications:	IHC, WB
Recommended Dilution:	IHC 1:300
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Human recombinant protein fragment corresponding to amino acids 43-300 of human CD38 (NP_001766) produced in E.coli.
Formulation:	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
Reconstitution Method:	For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	34.1 kDa
Gene Name:	Homo sapiens CD38 molecule (CD38), transcript variant 1, mRNA.
Database Link:	NP_001766 Entrez Gene 952 Human P28907

View online »

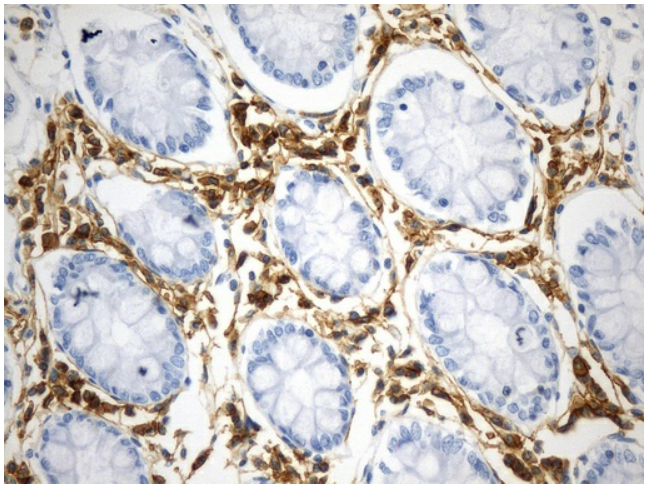
Background: Synthesizes the second messagers cyclic ADP-ribose and nicotinate-adenine dinucleotide phosphate, the former a second messenger for glucose-induced insulin secretion. Also has cADPr hydrolase activity. Also moonlights as a receptor in cells of the immune system. [UniProtKB/Swiss-Prot Function]

Synonyms: ADPRC 1; ADPRC1

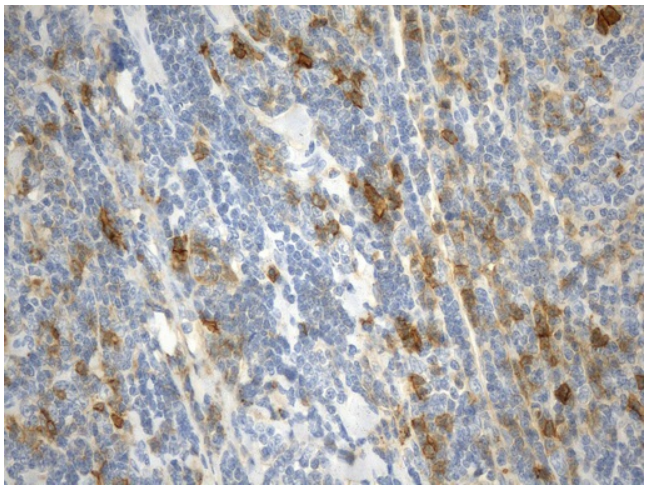
Protein Families: Cancer stem cells, Druggable Genome, ES Cell Differentiation/IPS, Induced pluripotent stem cells, Transmembrane

Protein Pathways: Calcium signaling pathway, Hematopoietic cell lineage, Metabolic pathways, Nicotinate and nicotinamide metabolism

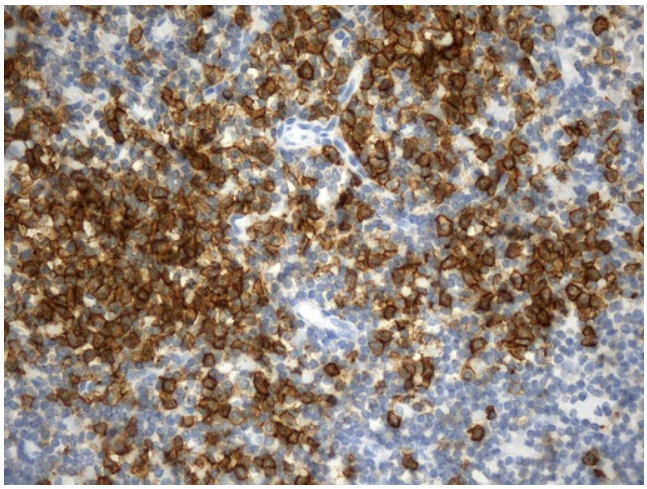
Product images:



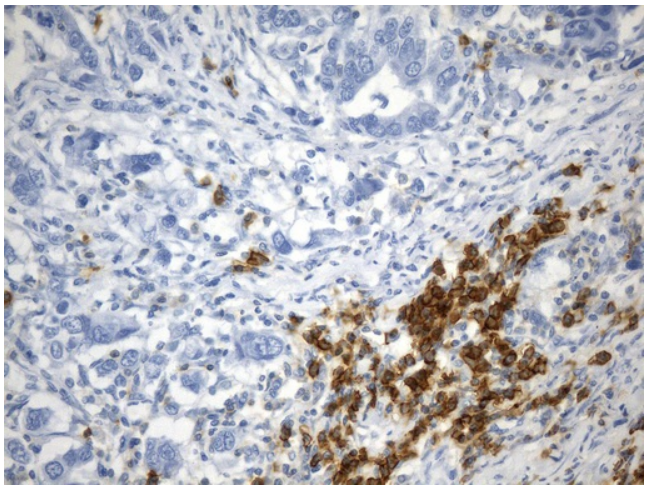
Immunohistochemical staining of paraffin-embedded Human colon tissue within the normal limits using anti-CD38 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.0) at 120°C for 2.5 min, [UM800153]) (1:300)



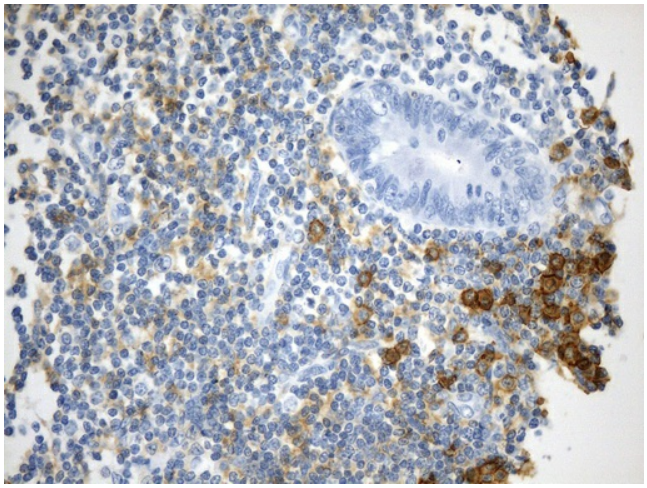
Immunohistochemical staining of paraffin-embedded Human lymphoma tissue using anti-CD38 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.0) at 120°C for 2.5 min, [UM800153]) (1:300)



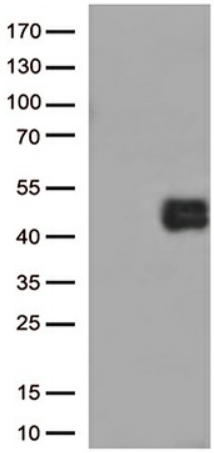
Immunohistochemical staining of paraffin-embedded Human tonsil within the normal limits using anti-CD38 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.0) at 120°C for 2.5 min, [UM800153]) (1:300)



Immunohistochemical staining of paraffin-embedded Human Gastric Carcinoma using anti-CD38 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.0) at 120°C for 2.5 min, [UM800153]) (1:300)



Immunohistochemical staining of paraffin-embedded Human appendix tissue within the normal limits using anti-CD38 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.0) at 120°C for 2.5 min, [UM800153]) (1:300)



HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY CD38 ([RC203179], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-CD38 (1:500).