

CD38 Antibody

Purified Mouse Monoclonal Antibody Catalog # AO2002a

Product Information

Application WB, IHC, E **Primary Accession** P28907 Reactivity Human Host Mouse Clonality Monoclonal **Clone Names** 5C5C3 Isotype IgG1 **Calculated MW** 34328 Da

Description CD38 is a novel multifunctional ectoenzyme widely expressed in cells and

tissues especially in leukocytes. CD38 also functions in cell adhesion, signal

transduction and calcium signaling.

Immunogen Purified recombinant fragment of human CD38 (AA: Extra(43-300)) expressed

in E. Coli.

Formulation Purified antibody in PBS with 0.05% sodium azide.

Additional Information

Other Names ADP-ribosyl cyclase/cyclic ADP-ribose hydrolase 1, 3.2.2.6,

2'-phospho-ADP-ribosyl cyclase, 2'-phospho-ADP-ribosyl cyclase/2'-phospho-cyclic-ADP-ribose transferase, 2.4.99.20,

2'-phospho-cyclic-ADP-ribose transferase, ADP-ribosyl cyclase 1, ADPRC 1, Cyclic ADP-ribose hydrolase 1, cADPr hydrolase 1, T10, CD38, CD38

Dilution WB~~1/500 - 1/2000 IHC~~1/200 - 1/1000 E~~1/10000

Storage Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store

at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions CD38 Antibody is for research use only and not for use in diagnostic or

therapeutic procedures.

Protein Information

References

1. Biochem Biophys Res Commun. 2013 Dec 6;442(1-2):51-5.2. Mol Biol (Mosk). 2012 Sep-Oct;46(5):786-91.

Images

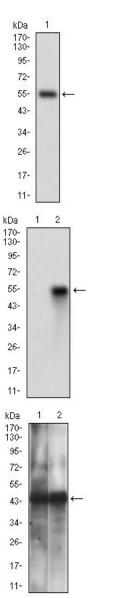


Figure 1: Western blot analysis using CD38 mAb against human CD38 (AA: Extra(43-300)) recombinant protein. (Expected MW is 56.1 kDa)

Figure 2: Western blot analysis using CD38 mAb against HEK293 (1) and CD38 (AA: Extra(43-300))-hIgGFc transfected HEK293 (2) cell lysate.

Figure 3: Western blot analysis using CD38 mouse mAb against HEK293 (1), LNcap (2) cell lysate.

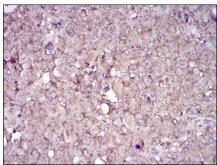


Figure 4: Immunohistochemical analysis of paraffin-embedded endometrial cancer tissues using CD38 mouse mAb with DAB staining.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.