

Rabbit anti-Human CD38 Monoclonal Antibody | anti-CD38 antibody

Anti-CD38 antibody (DM30), Rabbit mAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA314244	Rabbit	Human	Flow Cytometry, Functional Assay, ELISA

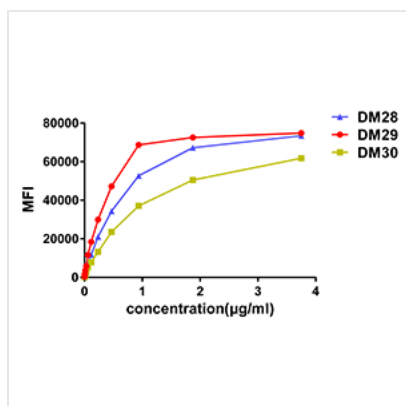
PRODUCT SYNONYMS

CD38; Monoclonal Antibody; Anti-CD38 antibody (DM30); Rabbit mAb; T10; cADPr hydrolase 1; anti-CD38 antibody

PRODUCT SPECIFICATIONS

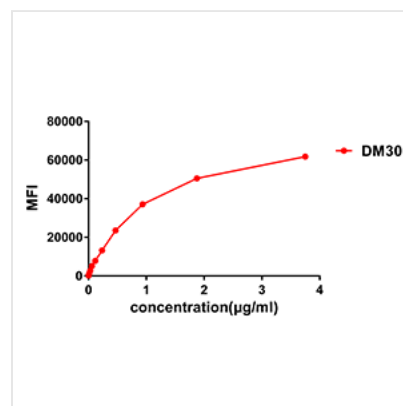
Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Number	DM30
Purity/Purification	Purified from cell culture supernatant by affinity chromatography
Form/Format	Preservative: 0.1% Procline 300 Constituents: 50% Glycerol; PBS, pH 7.4; 0.1% BSA
Applicable Applications for anti-CD38 antibody	FCM/FACS (Flow Cytometry), ELISA
Immunogen	Recombinant human CD38 (Val43-Ile300) produced by using human HEK293 cells
Preparation and Storage	Store at -20 degree C for 12 months (Avoid repeated freezing and thawing)

IMAGES



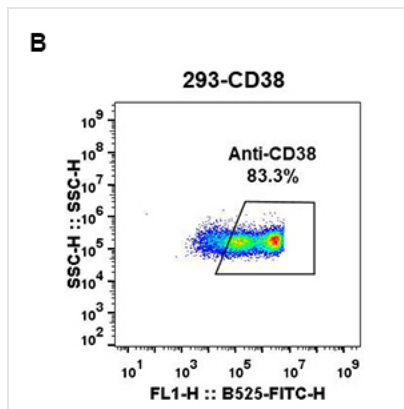
Application Data

Figure 3. Affinity ranking of different Rabbit anti-CD38 mAb clones by titration of different concentration onto Raji cells. The Y-axis represents the mean fluorescence intensity (MFI) while the X-axis represents the concentration of IgG used.

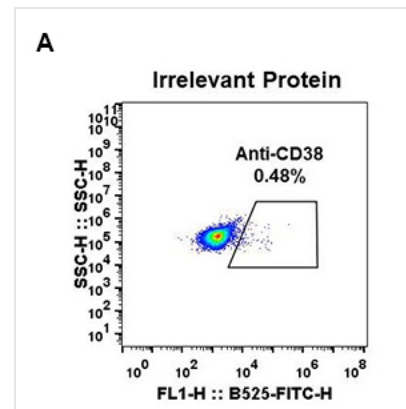


FCM/FACS (Flow Cytometry)

Figure 2. Flow cytometry data of serially titrated Rabbit anti-CD38 monoclonal antibody (clone: DM30) on Raji cells. The Y-axis represents the mean fluorescence intensity (MFI) while the X-axis represents the concentration of IgG used.



Application Data



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Figure 1. Expi 293 cell line transfected with irrelevant protein (left) and human CD38(right) were surface stained with Rabbit anti-CD38 monoclonal antibody 1μg/ml (clone: DM30) followed by Alexa 488-conjugated anti-rabbit IgG secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-CD38 antibody	CD antigen CD38 is also known as ADP-ribosyl cyclase 1, which belongs to the ADP-ribosyl cyclase family. CD38 is expressed at high levels in pancreas, liver, kidney, brain, testis, ovary, placenta, malignant lymphoma and neuroblastoma. CD38 is a multifunctional ectoenzyme that catalyzes the synthesis and hydrolysis of cyclic ADP-ribose (cADPR) from NAD ⁺ to ADP-ribose. These reaction products are essential for the regulation of intracellular Ca ²⁺ . The loss of CD38 function is associated with impaired immune responses, metabolic disturbances, and behavioral modifications. The CD38 protein is a marker of cell activation. It has been connected to HIV infection, leukemias, myelomas, solid tumors, type II diabetes mellitus and bone metabolism. CD38 has been used as a prognostic marker in leukemia.
Product Categories/Family for anti-CD38 antibody	Primary Antibody

NCBI AND UNIPROT INFORMATION

Molecular Weight	Calculated MW: 34kDa
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For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/monoclonal/cd38-antibody-clone-dm30-flow-cytometry-elisa/314244>