

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

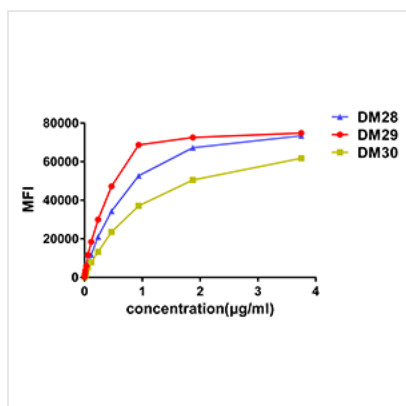
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

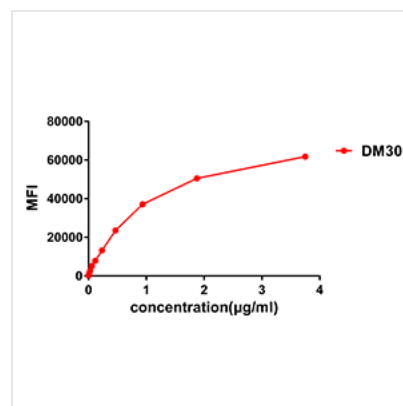
Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Number	DM30
Purity/Purification	Purified from cell culture supernatant by affinity chromatography
Form/Format	Preservative: 0.1% Procline 300 Constituents: 50% Glycerol; PBS, pH 7.4; 0.1% BSA
Applicable Applications for anti-CD38 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



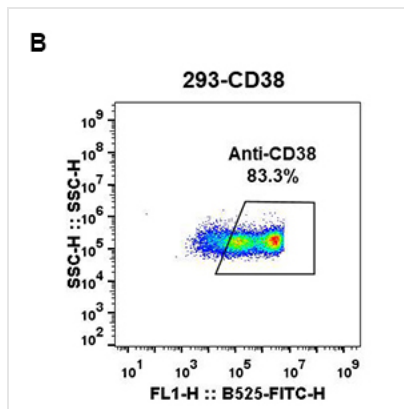
Application Data

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.

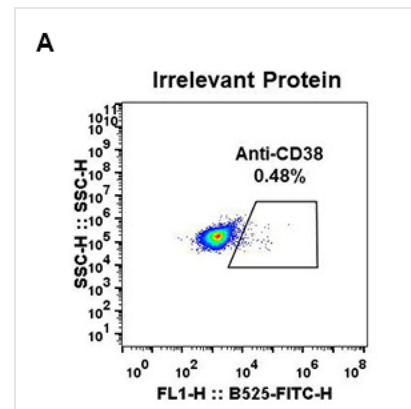


FCM/FACS (Flow Cytometry)

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



Application Data

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 Ca²⁺. 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

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://stage.aaabiotech.com/monoclonal/cd38-antibody-clone-dm30-flow-cytometry-elisa/314244>