Anti-CD38 [HB7] Standard Size Ab00128-1.1

Isotype and Format: Mouse IgG1, Kappa
Clone Number: HB7
Alternative Name(s) of Target: ADP-ribosyl cyclase 1; cyclic ADP-ribose hydrolase; EC 3.2.2.5; Cyclic ADP-ribose hydrolase 1; cADPr hydrolase 1; T10; CD38; p45; NAD(+) nucleosidase
UniProt Accession Number of Target Protein: P28907
Published Application(s): IP, FC
Published Species Reactivity: Human
Immunogen: Viable cells (1 x 10E7) of the human cell line, BJAB (Human Burkitt lymphoma B cell line), which was were injected intraperitoneally into 8-week-old BALB/c mice.
Specificity: This antibody binds to an epitope between amino acids 273-285 of human CD38, an approximately 45 kDa type II transmembrane protein, expressed on essentially all pre-B lymphocytes, plasma cells, and thymocytes. Also present on activated T lymphocytes, natural killer (NK) lymphocytes, myeloblasts, and erythroblasts. Bimodally expressed during B cell development, modulating from high in immature cells to low in intermediate ones and back to high on mature B cells. This antibody competes with clone AT13/5 (Ab00289) (Ellis 1995).
Application Notes: A customer reports successfully using this antibody (coupled to magnetic beads) for isolation of plasma cells from the intestinal lamina propria.
Antibody First Published in: Tedder TF, Clement LT, Cooper MD. Discontinuous expression of a membrane antigen (HB-7) during B lymphocyte differentiation. Tissue Antigens. 1984 Sep;24(3):140-9. PMID:6440308
Note on publication: Describes the making of the antibody, shows it recognised HB-7 antigen protein using flow cytometry and immunoblotting.

Product Form

Size: 200 µg Purified antibody.
Purification: Protein A affinity purified
Supplied In: PBS with 0.02% Proclin 300.
Storage Recommendation: Store at 4ºC for up to 3 months. For longer storage, aliquot and store at -20ºC.
Concentration: 1 mg/ml.

Important note – This product is for research use only. It is not intended for use in therapeutic or diagnostic

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procedures for humans or animals.