

Anti-CD38 [HB7] Standard Size Ab00128-23.0

This chimeric rabbit antibody was made using the variable domain sequences of the original murine IgG1 format, for improved compatibility with existing reagents, assays and techniques.

Isotype and Format: Rabbit IgG, 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 4°C for up to 3 months. For longer storage, aliquot and store at -

20°C.

Concentration: 1 mg/ml.

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