

Anti-CD38 [AT13/5] Standard Size Ab00289-23.0

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

Isotype and Format: Rabbit IgG, Kappa

Clone Number: AT13/5

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): FC

Published Species Reactivity: Human

Immunogen: Namalwa cells emulsified in CFA.

Specificity: Binds specifically to 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 HB7 (Ab00128) (Ellis 1995) which has been shown to bind to an epitope between amino acids 273-285).

Application Notes: The antibody binds to CD38, a glycoprotein on the surface of various immune cells that catalyzes the hydrolysis of cyclic ADP-ribose to NAD⁺ and ADP-ribose.

Antibody First Published in: Ellis et al Engineered anti-CD38 monoclonal antibodies for immunotherapy of multiple myeloma. Journal of Immunology [PMID:7608568](#)

Note on publication: Describes the generation of murine monoclonal antibodies against CD38 and its potential use in therapy of multiple myeloma.

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.