

## Anti-CD38 [AT13/5] Standard Size Ab00289-1.1

**Isotype and Format:** Mouse IgG1, 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<sup>+</sup> 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.