

## **Product Description**

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## **BIOTINYLATED ANTI-CD38 (DM29) RABBIT MAB**

Cat.#: 28315

Product Name: Biotinylated Anti-CD38(DM29) Rabbit Monoclonal Antibody

**Synonyms:** T10; cADPr hydrolase 1

Description: Biotinylated Anti-CD38 antibody(DM29) Rabbit Monoclonal

Antibody

**Background:** 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.

**Applications:** ELISA; Flow Cyt

Recommended Dilutions: ELISA 1:5000-10000; Flow Cyt 1:100

**Host Species:** Rabbit **Isotype:** Rabbit IgG

Purification: Purified from cell culture supernatant by affinity

chromatography

**Species Reactivity:** Human CD38

Constituents: Lyophilized from sterile PBS, pH 7.4. 5 % – 8% trehalose is

added as protectants before lyophilization.

**Storage & Shipping:** Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing).