

PRODUCT INFORMATION

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| Clone ID | DM29 |
| Target | CD38 |
| Synonyms | T10; cADPr hydrolase 1 |
| Host Species | Rabbit |
| Description | Biotinylated Anti-CD38 antibody(DM29); Rabbit mAb |
| Delivery | 2-3 weeks |
| Uniprot ID | P28907 |
| IgG type | Rabbit IgG |
| Clonality | Monoclonal |
| Reactivity | Human |
| Applications | ELISA; Flow Cyt |
| Recommended Dilutions | ELISA 1:5000-10000; Flow Cyt 1:100 |
| Purification | Purified from cell culture supernatant by affinity chromatography |
| Formulation & Reconstitution | Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution. |
| 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). Lyophilized proteins are shipped at ambient temperature. |
| 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 Ca ²⁺ . 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. |
| Usage | Research use only |
| Conjugate | Biotinylated |

