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Monoclonal Antibody to CD38 - PE

Alternate names: ADP-ribosyl cyclase 1, Cyclic ADP-ribose hydrolase 1, T10, cADPr hydrolase 1

Catalog No.: SM028R

Quantity: 0.1 mg

Background: CD38 is a 42-46kD glycoprotein expressed by B lymphocytes, a proportion of peripheral T lymphocytes and by peritoneal macrophages. In the mouse CD38 is expressed by follicular B cells, is down regulated on germinal centre B cells, and not expressed my mature plasma cells.

Uniprot ID: P56528

NCBI: NP_031672.2

GeneID: 12494

Host / Isotype: Rat / IgG2a

Clone: 90

Immunogen: Mouse pre-B cells derived from IL-7 dependent bone marrow cultures. Lymph node cells from an immunised rat were fused with cells of the mouse P3X63Ag.8.653 myeloma cell line.

Format:
State: Liquid purified IgG
Buffer System: PBS containing 0.09% Sodium Azide and 0.5% Bovine Serum Albumin
Label: PE – R. Phycoerythrin (RPE)

Applications: Flow cytometry: neat- 1/10; use 10 µl of the suggested working dilution to label 10e6 cells in 100µl; The Fc region of monoclonal antibodies may bind non-specifically to cells expressing low affinity fc receptors.
Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Specificity: This antibody recognises the CD38 cell surface antigen.
Species: Mouse.
Other species not tested.

Storage: Store the antibody undiluted at 2-8°C.
DO NOT FREEZE!
This product is photosensitive and should be protected from light.
Shelf life: 6 month from despatch.

General References:
1. Lund, F. et al. (1995) Murine CD38: an immunoregulatory ectoenzyme. Immunol. Today 16: 469.
2. Oliver, A.M. et al. (1997) Mouse CD38 is down-regulated on germinal center B cells and mature plasma cells. J. Immunol. 158: 1108-1115.