

## Product datasheet for **SM028R**

### Cd38 Rat Monoclonal Antibody [Clone ID: 90]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	90
Applications:	FC
Recommended Dilution:	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.
Reactivity:	Mouse
Host:	Rat
Isotype:	IgG2a
Clonality:	Monoclonal
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.
Specificity:	This antibody recognises the CD38 cell surface antigen.
Formulation:	PBS containing 0.09% Sodium Azide and 0.5% Bovine Serum Albumin Label: PE State: Liquid purified IgG Label: R. Phycoerythrin (RPE)
Conjugation:	PE
Storage:	Store the antibody undiluted at 2-8°C. DO NOT FREEZE! This product is photosensitive and should be protected from light.
Stability:	Shelf life: 6 month from despatch.
Gene Name:	CD38 antigen
Database Link:	<a href="#">Entrez Gene 12494 Mouse P56528</a>



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**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 by mature plasma cells.

**Synonyms:** cADPr hydrolase 1, T10