

Product datasheet for **TA320266**

Cd38 Rat Monoclonal Antibody [Clone ID: 90]

Product data:

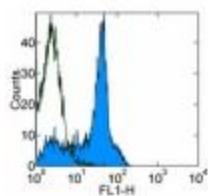
Product Type:	Primary Antibodies
Clone Name:	90
Applications:	FC
Recommended Dilution:	Flow, IHC, Functional Assay
Reactivity:	Mouse
Host:	Rat
Clonality:	Monoclonal
Formulation:	Aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer
Concentration:	lot specific
Purification:	Affinity purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	CD38 antigen
Database Link:	NP_031672 Entrez Gene 12494 Mouse P56528

Background: The 90 monoclonal antibody reacts with the mouse CD38 molecule, an ~42 kDa type II transmembrane protein. CD38 is expressed at increasingly higher levels on B cells at each stage of B-cell differentiation, and is then down-regulated on germinal center B cells and mature plasma cells. Its expression is reported on a subpopulation of thymocytes, mature T cells, and NK cells. Crosslinking of CD38 on the surface of mature, resting B cells induces B-cell proliferation, which is enhanced by co-signals such as IL-4 and LPS. CD38, a counter-receptor for CD31, is an ectoenzyme with cyclase and hydrolase enzymatic activity and is speculated to play a role in lymphocyte activation and differentiation.

Synonyms: T10



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Product images:

Staining of BALB/c splenocytes with 0.06 ug of Rat IgG2a Isotype Control Purified (open histogram) or 0.06 ug Anti-Mouse CD38 Purified (filled histogram) followed by Anti-Rat IgG FITC. Total viable cells were used for analysis.