

Product datasheet for **SM1106PT**

CD38 Mouse Monoclonal Antibody [Clone ID: AT13/5]

Product data:

Product Type:	Primary Antibodies
Clone Name:	AT13/5
Applications:	FC, IHC, IP
Recommended Dilution:	Flow Cytometry: Use 10 µl of 1/100 diluted antibody to label 10e6 cells in 100 µl. Immunoprecipitation. Immunohistochemistry on Frozen and Paraffin Embedded Sections. Requires antigen retrieval using heat treatment prior to staining of paraffin sections (1 mM EDTA pH 8.0 is recommended for this purpose). The epitope recognized by this antibody is reported to be sensitive to formaldehyde fixation and tissue processing. We recommend the use of acetone fixation for frozen sections.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Raised against NAMALWA Burkitt's lymphoma cell line of human origin.
Specificity:	This antibody recognizes a 45kDa glycoprotein and has a reactivity pattern consistent with antibodies of the CD38 cluster.
Formulation:	TRIS buffered saline State: Purified State: Liquid purified IgG fraction Preservative: 0.09% Sodium Azide
Concentration:	lot specific
Purification:	Affinity Chromatography on Protein A
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	CD38 molecule



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Database Link: [Entrez Gene 952 Human P28907](#)

Background: CD38 is a type II integral membrane glycoprotein of 45 kDa which is present on early B and T cell lineages and activated B and T cells but is absent from most mature resting peripheral lymphocytes. CD38 is also found on thymocytes, pre-B cells, germinal center B cells, mitogen-activated T cells, monocytes and Ig-secreting plasma cells. CD38 acts as a NAD glycohydrolase in T lymphocytes.

Synonyms: cADPr hydrolase 1, T10