

CD38 Antibody [clone AT2] (V3009)

Catalog No.	Formulation	Size
V3009-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V3009-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V3009SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug



Citations (2)

[Bulk quote request](#)

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG3, kappa
Clone Name	AT2
Purity	Protein G affinity chromatography
UniProt	P28907
Localization	Cell surface, cytoplasm and nucleus
Applications	Flow Cytometry : 0.5-1ug/10 ⁶ cells Immunofluorescence : 1-2ug/ml
Limitations	This CD38 antibody is available for research use only.



Description

This mAb reacts with a 45kDa glycopeptide, which is a type II membrane glycoprotein with a transmembrane sequence near the NH₂ terminus. CD38 is a type II transmembrane glycoprotein that 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 is expressed on CD34⁺ cells. The CD34⁺CD38⁻ population of hematopoietic stems cells defines the most pluripotent cells (e.g. blast colony forming cells).

Application Notes

Optimal dilution of the CD38 antibody should be determined by the researcher.

Immunogen

The human T cell line CCRF-CEM was used as the immunogen for the CD38 antibody.

Storage

Store the CD38 antibody at 2-8°C (with azide) or aliquot and store at -20°C or colder (without azide).