

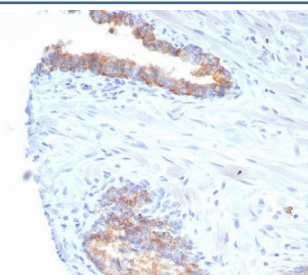
## CD38 Antibody [clone rCD38/6982] (V5036)

Catalog No.	Formulation	Size
V5036-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V5036-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V5036SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

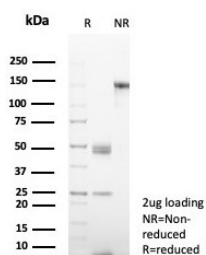
Recombinant **MOUSE MONOCLONAL**

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<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human
<b>Format</b>	Purified
<b>Clonality</b>	Recombinant Mouse Monoclonal
<b>Isotype</b>	Mouse IgG1, kappa
<b>Clone Name</b>	rCD38/6982
<b>Purity</b>	Protein A/G affinity
<b>UniProt</b>	P28907
<b>Localization</b>	Cell surface, Cytoplasm
<b>Applications</b>	Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT
<b>Limitations</b>	This CD38 antibody is available for research use only.



IHC staining of FFPE human prostate carcinoma tissue with CD38 antibody (clone rCD38/6982) at 2ug/ml. HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



SDS-PAGE analysis of purified, BSA-free CD38 antibody (clone rCD38/6982) as confirmation of integrity and purity.

## Description

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 define 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

A recombinant partial protein sequence (within amino acids 1-300) from the human protein was used as the immunogen for the CD38 antibody.

## Storage

Aliquot the CD38 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.