

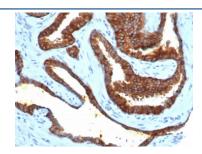
Recombinant CD38 Antibody [clone CD38/6448R] (V9180)

Catalog No.	Formulation	Size
V9180-100UG	0.2~mg/ml in 1X PBS with $0.1~mg/ml$ BSA (US sourced), $0.05%$ sodium azide	100 ug
V9180-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V9180SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

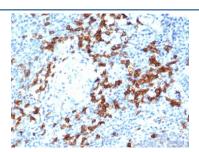
Recombinant RABBIT MONOCLONAL

Bulk quote request

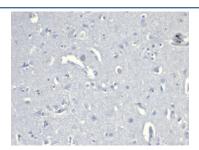
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Recombinant Rabbit Monoclonal
Isotype	Rabbit IgG, kappa
Clone Name	CD38/6448R
Purity	Protein A/G affinity
UniProt	P28907
Localization	Cell Surface, Cytoplasm
Applications	Western Blot : 1-2ug/ml Immunohistochemistry (FFPE) : 1-2ug/ml
Limitations	This recombinant CD38 antibody is available for research use only.



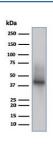
IHC staining of FFPE human prostate adenocarcinoma tissue with recombinant CD38 antibody (clone CD38/6448R) at 2ug/ml in PBS for 30min RT. Strong cytoplasmic and membranous staining observed. HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



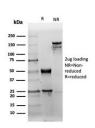
IHC staining of FFPE human tonsil tissue with recombinant CD38 antibody (clone CD38/6448R) at 2ug/ml in PBS for 30min RT. Strong cytoplasmic and membranous staining is observed. HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



Negative control: IHC staining of FFPE human brain tissue with recombinant CD38 antibody (clone CD38/6448R) at 2ug/ml in PBS for 30min RT. HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



Western blot testing of human Raji cell lysate using recombinant CD38 antibody (clone CD38/6448R). Expected molecular weight: 34-46 kDa depending on glycosylation level.



SDS-PAGE analysis of purified, BSA-free recombinant CD38 antibody (clone CD38/6448R) 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 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 recombinant CD38 antibody should be determined by the researcher.

Immunogen

A portion of amino acids 200-300 of human CD38 protein was used as the immunogen for the recombinant CD38 antibody.

Storage

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