

Product Datasheet

Recombinant CD38 Antibody (orb2636952)

Catalog Number	orb2636952
Category	Antibodies
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).
Clonality	Recombinant
Species/Host	Rabbit
Isotype	Rabbit IgG, kappa
Conjugation	Unconjugated
Reactivity	Human
Buffer/Preservatives	1 mg/ml in 1X PBS; rAlbumin free, sodium azide free
Purification	Protein A/G affinity
Immunogen	A portion of amino acids 200-300 of human CD38 protein was used as the immunogen for the recombinant CD38 antibody.
UniProt ID	P28907
Tested applications	IHC-P, WB
Dilution range	Western blot: 1-2ug/ml,Immunohistochemistry (FFPE): 1-2ug/ml

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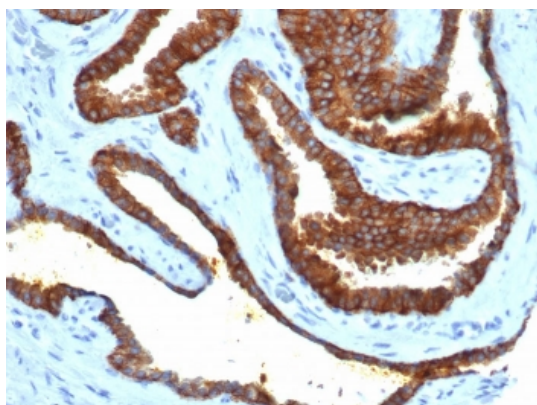
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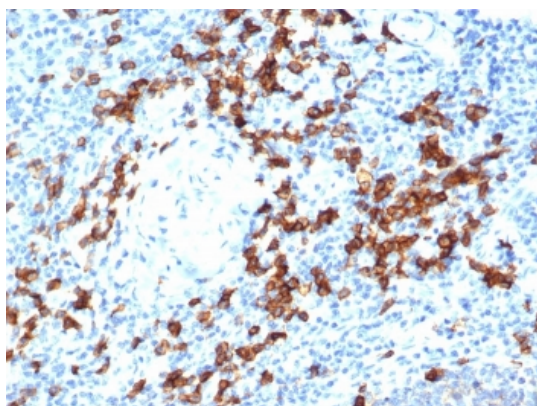
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Application notes	Optimal dilution of the recombinant CD38 antibody should be determined by the researcher.
Antibody Type	Primary Antibody
Clone Number	CD38/6448R
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Note	For research use only
Expiration Date	12 months from date of receipt.



IHC staining of FFPE human prostate adenocarcinoma tissue with recombinant CD38 antibody (clone CD38/6448R) at 2 ug/ml in PBS for 30 min RT. Strong cytoplasmic and membranous staining observed. HIER: boil tissue sections in pH9 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 2 ug/ml in PBS for 30 min RT. Strong cytoplasmic and membranous staining is observed. HIER: boil tissue sections in pH9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.

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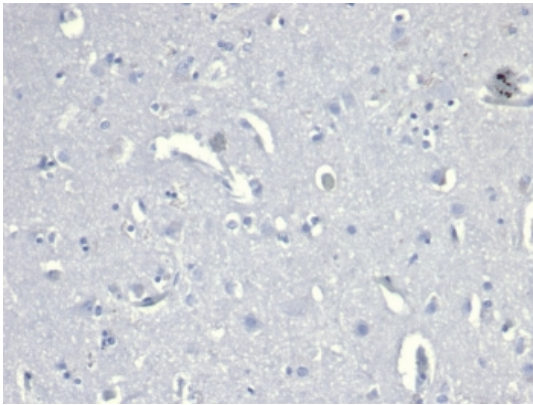
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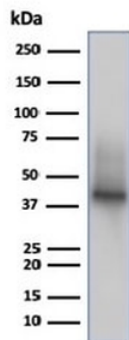
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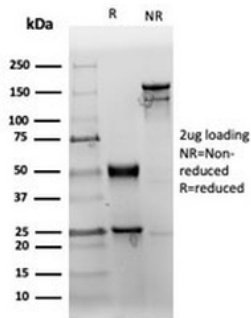
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Negative control: IHC staining of FFPE human brain tissue with recombinant CD38 antibody (clone CD38/6448R) at 2 ug/ml in PBS for 30 min RT. HIER: boil tissue sections in pH9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



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.

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