

Product Datasheet

Recombinant CD38 Antibody (orb2635679)

Catalog Number	orb2635679
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 stem 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	0.2 mg/ml in 1X PBS with 0.1 mg/ml rAlbumin, 0.05% sodium azide
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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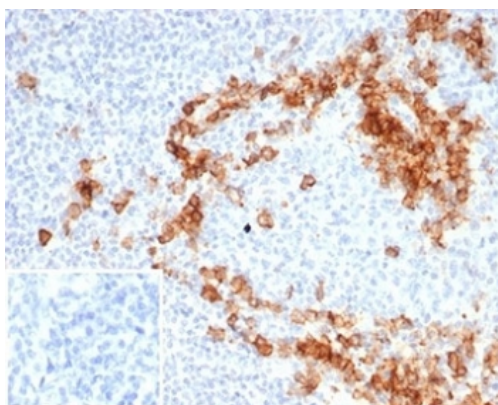
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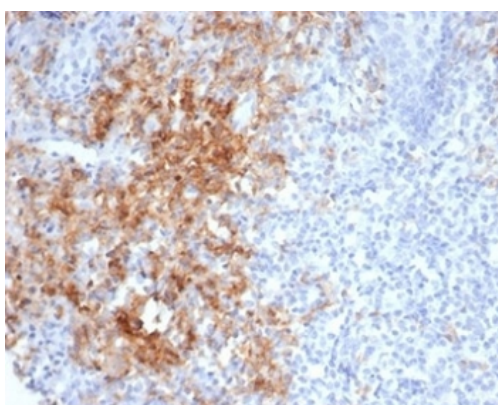
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Application notes	Optimal dilution of the recombinant CD38 antibody should be determined by the researcher.
Antibody Type	Primary Antibody
Clone Number	CD38/7017R
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store 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 tonsil tissue with recombinant CD38 antibody (clone CD38/7017R). Negative control inset: PBS instead of primary antibody to control for secondary binding. HIER: boil tissue sections in pH9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



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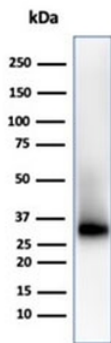
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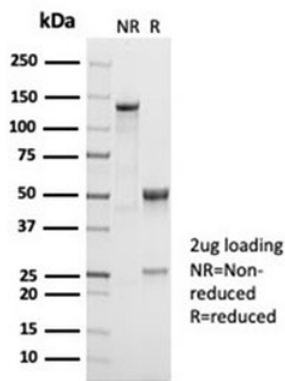
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Western blot testing of human Raji cell lysate with recombinant CD38 antibody. Expected molecular weight: 34-46 kDa depending on glycosylation level.



SDS-PAGE analysis of purified, BSA-free recombinant CD38 antibody (clone CD38/7017R) as confirmation of integrity and purity.

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