Product Datasheet

CD38 Antibody (orb1151666)

Catalog Number	orb1151666
Category	Antibodies
Description	Mouse monoclonal antibody to CD38
Clonality	Monoclonal
Species/Host	Mouse
Isotype	Mouse IgG1, 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	Recombinant full-length human CD38 protein was used as the immunogen for the CD38 antibody.
UniProt ID	**P28907**
Tested applications	FACS, IF, IHC-P, WB
Dilution range	Flow cytometry: 1-2ug/million cells,Immunofluorescence: 1-2ug/million cells,Western blot: 2-4ug/ml,Immunohistochemistry (FFPE): 1-2ug/ml
Application notes	Optimal dilution of the CD38 antibody should be determined by the researcher.
Antibody Type	Primary Antibody
Clone Number	CD38/4328

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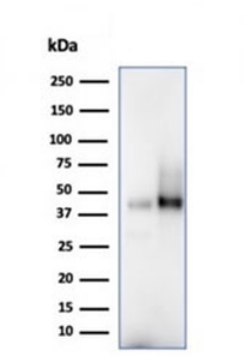
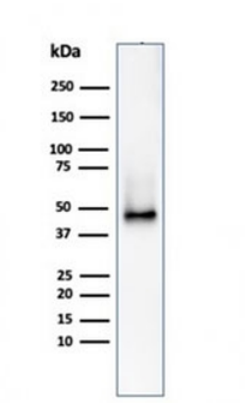
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Note	For research use only
Expiration Date	12 months from date of receipt.



Western blot testing of human 1) spleen and 2) Raji cell lysate using CD38 antibody (clone CD384328). Expected molecular weight: 34-46 kDa depending on glycosylation level.



Western blot testing of human Raji cell lysate using CD38 antibody (clone CD38/4328). Expected molecular weight: 34-46 kDa depending on glycosylation level.

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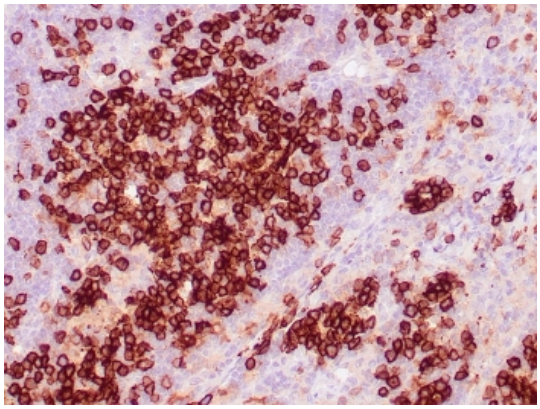
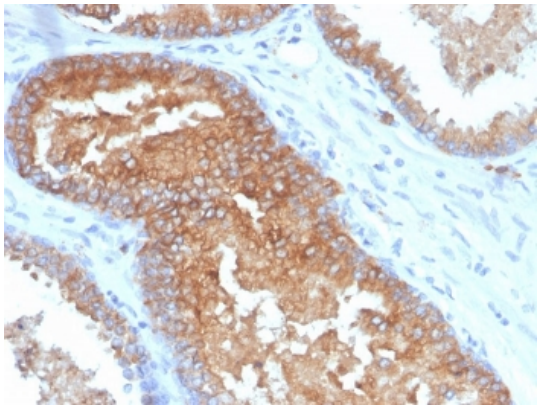
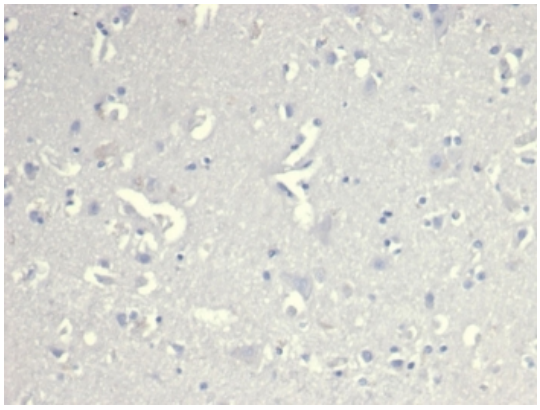


IHC staining of FFPE human tonsil tissue with CD38 antibody (clone CD38/4328) at 2 ug/ml in PBS for 30 min RT. Strong cytoplasmic and membranous staining is observed. HIER: boil tissue sections in pH9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE human prostate carcinoma tissue with CD38 antibody (clone CD38/4328) 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.



Negative control: IHC staining of FFPE human cerebral cortex tissue with CD38 antibody (clone CD38/4328) 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.

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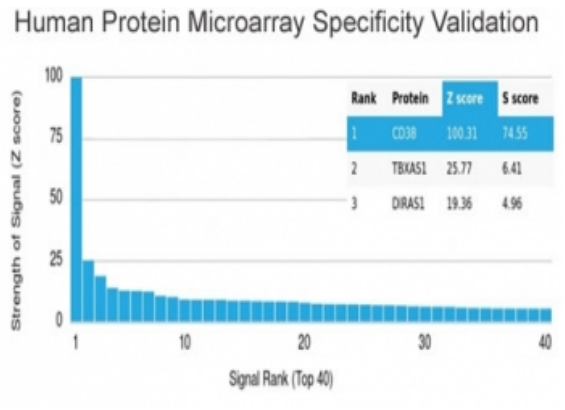

Analysis of HuProt (TM) microarray containing more than 19000 full-length human proteins using CD38 antibody (clone CD38/4328). These results demonstrate the foremost specificity of the CD38/4328 mAb. Z- and S- score: The Z-score represents the strength of a signal that an antibody (in combination with a fluorescently-tagged anti-IgG secondary Ab) produces when binding to a particular protein on the HuProt (TM) array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If the targets on the HuProt (TM) are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-scores. The S-score therefore represents the relative target specificity of an Ab to its intended target.

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