

Product Datasheet

CD44 Mouse Monoclonal Antibody (orb1474319)

Catalog Number	orb1474319
Category	Antibodies
Description	The CD44 Antibody is suitable for IF, IHC, IP, WB. It is a Monoclonal, Unconjugated antibody which raised against Purified recombinant human CD44 protein fragments expressed in E.coli. Purification: The antibody was purified by immunogen affinity chromatography.
Target	CD44
Clonality	Monoclonal
Species/Host	Mouse
Conjugation	Unconjugated
Reactivity	Human
Form/Appearance	Liquid
Buffer/Preservatives	PBS containing 50% glycerol, 0.5% rAlbumin and 0.02% sodium azide, pH 7.3.
Purification	The antibody was purified by immunogen affinity chromatography.
Immunogen	Purified recombinant human CD44 protein fragments expressed in E.coli.
UniProt ID	P16070
Tested applications	IF, IHC, IP, WB
Dilution range	WB (1/500 - 1/1000), IH (1/50 - 1/100), IF/IC (1/50 - 1/100), IP (1/10 - 1/50)
Specificity	Recognizes endogenous levels of CD44 protein.

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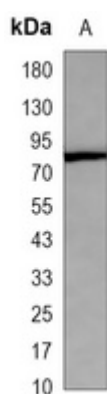
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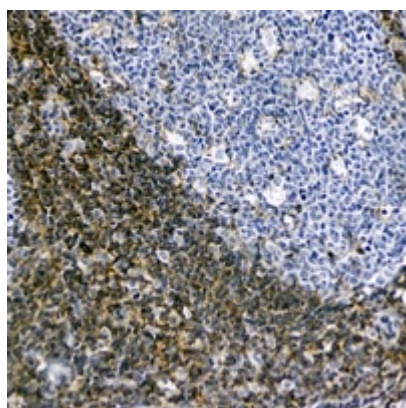
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Antibody Type	Primary Antibody
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Note	For research use only
Entrez	960
Expiration Date	12 months from date of receipt.



Western blot analysis of CD44 expression in HUVEC (A) whole cell lysates. (Predicted band size: 82 kD; Observed band size: 82 kD)



Immunohistochemical analysis of CD44 staining in human tonsil formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.135). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

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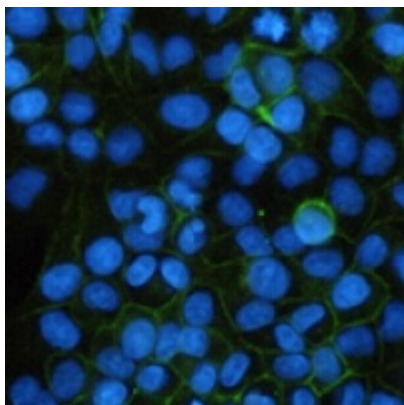
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Immunofluorescent analysis of CD44 staining in HeLa cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).

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