

Product Datasheet

Recombinant CD31 Antibody / Rabbit Monoclonal (orb2642049)

Catalog Number	orb2642049
Category	Antibodies
Description	CD31 is found on the surface of platelets, monocytes, neutrophils, and some types of T-cells, and makes up a large portion of endothelial cell intercellular junctions. It is a member of the immunoglobulin superfamily and is likely involved in leukocyte migration, angiogenesis, and integrin activation. [RefSeq]
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 affinity
Immunogen	Human full length recombinant protein was used as the immunogen for the recombinant CD31 antibody.
UniProt ID	P16284
Tested applications	FACS, IHC-P, WB
Dilution range	Western blot: 1-2ug/ml, Flow cytometry: 1-2ug/10 ⁶ cells, Immunohistochemistry (FFPE): 1-2ug/ml for 30 min at RT

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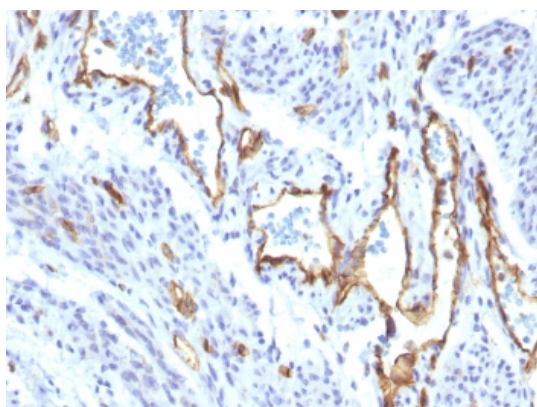
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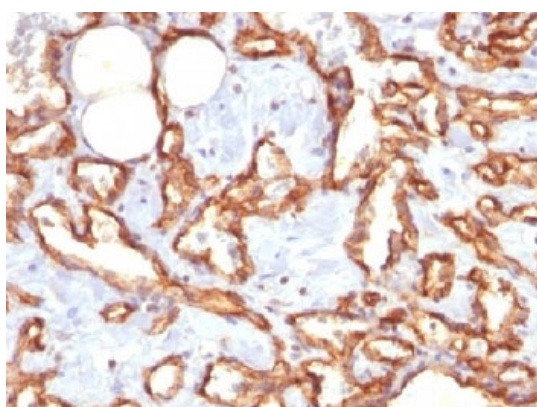
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Application notes	Titration of the recombinant CD31 antibody may be required for optimal performance.1. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min.
Antibody Type	Primary Antibody
Clone Number	C31/1395R
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 angiocarcinoma with recombinant CD31 antibody (clone C31/1395R). Required HIER: boil tissue sections in 10 mM Tris with 1 mM EDTA, pH9, for 10-20 min followed by cooling at RT for 20 min.



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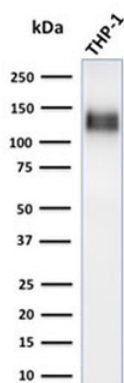
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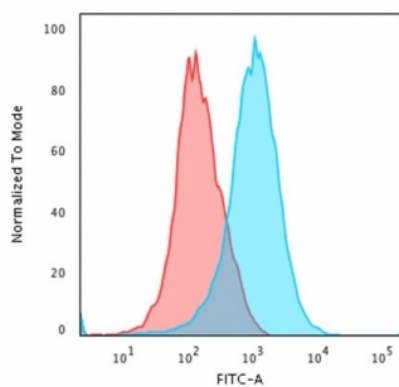
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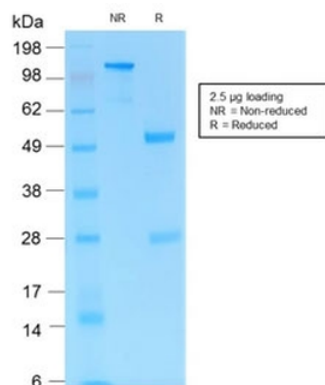
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Western blot testing of human ThP1 cell lysate with recombinant CD31 antibody (clone C31/1395R). Expected molecular weight: 83-130 kDa depending on level of glycosylation.



Flow cytometry testing of PFA-fixed human Jurkat cells with recombinant CD31 antibody (clone C31/1395R); Red = isotype control, Blue = recombinant CD31 antibody.



SDS-PAGE analysis of purified, BSA-free recombinant CD31 antibody (clone C31/1395R) as confirmation of integrity and purity.

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