

Product Datasheet

Recombinant CD43 Antibody / Rabbit Monoclonal (orb534047)

Catalog Number	orb534047
Category	Antibodies
Description	CD43 is one of the major glycoproteins of thymocytes and T lymphocytes. Plays a role in the physicochemical properties of the T-cell surface and in lectin binding. Presents carbohydrate ligands to selectins. Has an extended rodlike structure that could protrude above the glycocalyx of the cell and allow multiple glycan chains to be accessible for binding. Is a counter-receptor for SN/Siglec-1 (By similarity). During T-cell activation is actively removed from the T-cell-APC (antigen-presenting cell) contact site thus suggesting a negative regulatory role in adaptive immune response (By similarity). [UniProt]
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 and 0.05% sodium azide
Purification	Protein A affinity chromatography
Immunogen	Recombinant human protein was used as the immunogen for the recombinant CD43 antibody.
UniProt ID	P16150
Tested applications	IHC-P

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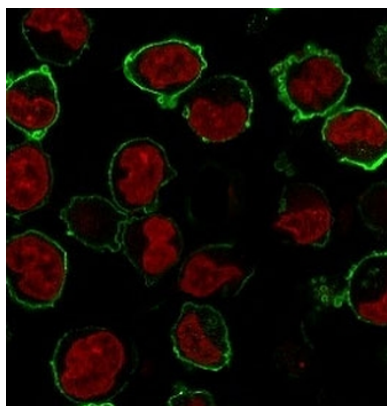
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Dilution range	Western blot: 1-2ug/ml,Flow cytometry: 1-2ug/10 ⁶ cells,Immunofluorescence: 1-2ug/ml,Immunohistochemistry (FFPE): 1-2ug/ml for 30 min at RT (1)
Application notes	The stated application concentrations are suggested starting points. Titration of the recombinant CD43 antibody may be required due to differences in protocols and secondary/substrate sensitivity.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	CDLA43-2R
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.



Immunofluorescence staining of human K562 cells with recombinant CD43 antibody (clone CDLA43-2R, green) and NucSpot (red).

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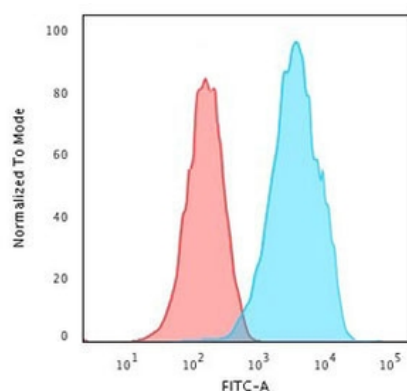
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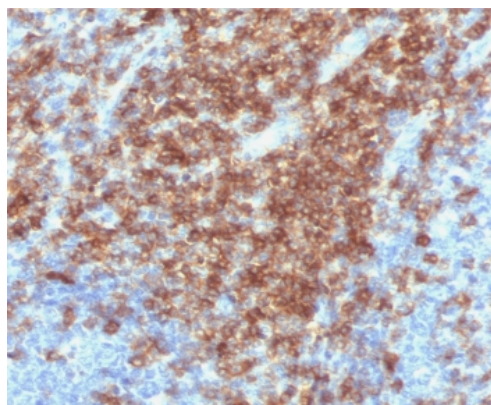
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Western blot testing of human K562 cell lysate with recombinant CD43 antibody (clone CDLA43-2R). Expected molecular weight: 45-135 kDa depending on glycosylation level.



Flow cytometry testing of PFA-fixed human K562 cells with recombinant CD43 antibody (clone CDLA43-2R); Red = isotype control, Blue = recombinant CD43 antibody.



IHC staining of FFPE human tonsil tissue with recombinant CD43 antibody (clone CDLA43-2R). Required HIER: boil tissue sections in pH9 10mM Tris with 1mM EDTA for 10-20 min followed by cooling at RT for 20 min.

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