

## Product Datasheet

# Recombinant CD43 Antibody / Rabbit Monoclonal (orb534047)

<b>Catalog Number</b>	orb534047
<b>Category</b>	Antibodies
<b>Description</b>	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]
<b>Clonality</b>	Recombinant
<b>Species/Host</b>	Rabbit
<b>Isotype</b>	Rabbit IgG, kappa
<b>Conjugation</b>	Unconjugated
<b>Reactivity</b>	Human
<b>Buffer/Preservatives</b>	0.2 mg/ml in 1X PBS with 0.1 mg/ml rAlbumin and 0.05% sodium azide
<b>Purification</b>	Protein A affinity chromatography
<b>Immunogen</b>	Recombinant human protein was used as the immunogen for the recombinant CD43 antibody.
<b>UniProt ID</b>	<b>P16150</b>
<b>Tested applications</b>	IHC-P

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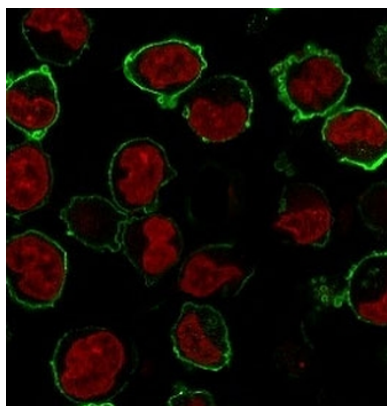
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<b>Dilution range</b>	Western blot: 1-2ug/ml,Flow cytometry: 1-2ug/10 <sup>6</sup> cells,Immunofluorescence: 1-2ug/ml,Immunohistochemistry (FFPE): 1-2ug/ml for 30 min at RT (1)
<b>Application notes</b>	The stated application concentrations are suggested 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.
<b>Antibody Type</b>	Primary Antibody
<b>Clone Number</b>	CDLA43-2R
<b>Storage</b>	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.
<b>Note</b>	For research use only
<b>Expiration Date</b>	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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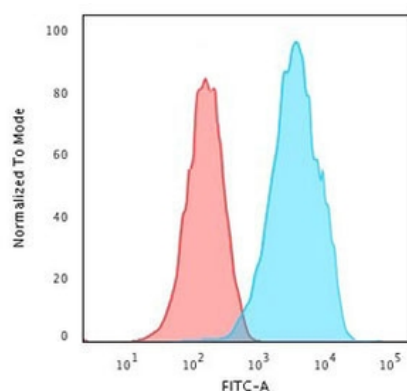
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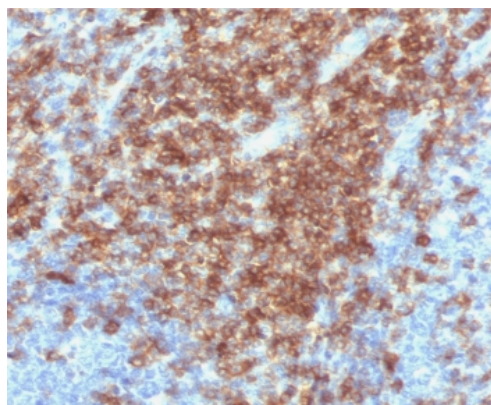
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Western blot testing of human K562 cell lysate with recombinant CD43 antibody (clone CDLA43-2R). Expected molecular weight: 45-135 kDa depending on glycosylation level.



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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