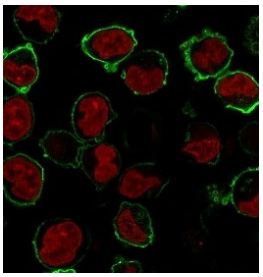
Recombinant CD43 Antibody / Rabbit Monoclonal [clone CDLA43-2R] (V3745)

Catalog No.	Formulation	Size
V3745-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V3745-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V3745SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V3745IHC-7ML	Prediluted in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide; *For IHC use only*	7 ml

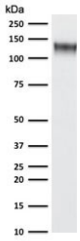
Recombinant RABBIT MONOCLONAL

Bulk quote request

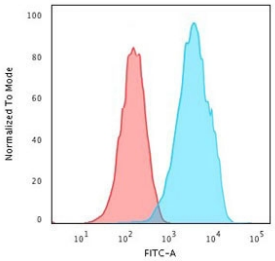
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Rabbit
Clonality	Recombinant Rabbit Monoclonal
Isotype	Rabbit IgG, kappa
Clone Name	CDLA43-2R
Purity	Protein A affinity chromatography
UniProt	P16150
Localization	Cell surface
Applications	Western blot: 1-2ug/ml Flow cytometry: 1-2ug/10^6 cells Immunofluorescence: 1-2ug/ml Immunohistochemistry (FFPE): 1-2ug/ml for 30 min at RT (1)
Limitations	This recombinant CD43 antibody is available for research use only.



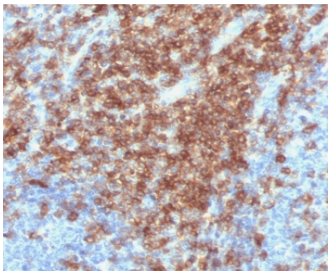
Immunofluorescence staining of human K562 cells with recombinant CD43 antibody (clone CDLA43-2R, green) and NucSpot (red).



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 pH 9 10mM Tris with 1mM EDTA for 10-20 min followed by cooling at RT for 20 min.

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]

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.

Immunogen

Recombinant human protein was used as the immunogen for the recombinant CD43 antibody.

Storage

Store the recombinant CD43 antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

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