

For Research Use Only

CD5 Recombinant antibody

Catalog Number: 83543-7-RR



Basic Information

Catalog Number:

83543-7-RR

Size:

750 ug/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_014207.4

GeneID (NCBI):

921

ENSEMBL Gene ID:

ENSG00000110448

UNIPROT ID:

P06127

Full Name:

CD5 molecule

Calculated MW:

55 kDa

Observed MW:

60 kDa

Purification Method:

Protein A purification

CloneNo.:

240428G2

Recommended Dilutions:

WB 1:5000-1:50000

IHC 1:500-1:2000

IF/ICC 1:125-1:500

Applications

Tested Applications:

WB, IHC, IF/ICC, ELISA

Species Specificity:

human

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : Jurkat cells,

IHC : human tonsillitis tissue, human ovary cancer tissue

IF/ICC : Jurkat cells,

Background Information

CD5 is a type I transmembrane glycoprotein of the scavenger receptor cysteine-rich family (PMID: 12403363). CD5 is expressed on a majority of thymocytes, mature T cells, B cell subsets, and peripheral blood dendritic cells (PMID: 9858516; 6156984; 10379049; 1384337). CD5 may act as a receptor in regulating T-cell proliferation. It functions as a negative regulator of TCR signaling during thymocyte development (PMID: 7542801).

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

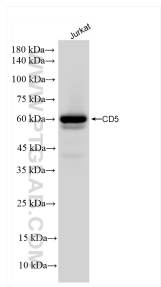
T: 4006900926

E: Proteintech-CN@ptglab.com

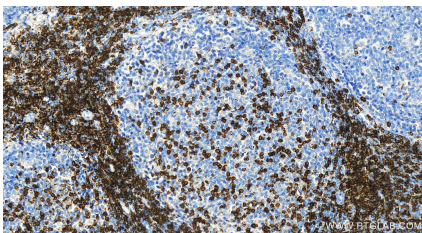
W: ptgcn.com

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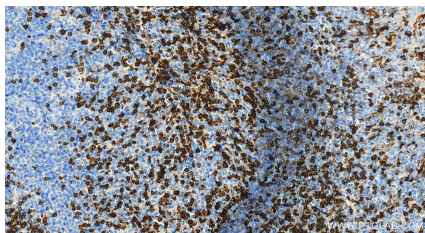
Selected Validation Data



Jurkat cells were subjected to SDS PAGE followed by western blot with 83543-7-RR (CD5 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



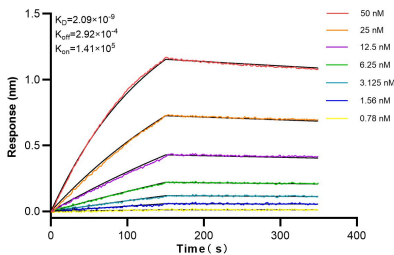
Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 83543-7-RR (CD5 antibody) at dilution of 1:1000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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Immunofluorescent analysis of (4% PFA) fixed Jurkat cells using CD5 antibody (83543-7-RR, Clone: 240428G2) at dilution of 1:250 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).



Biolayer interferometry (BLI) kinetic assays of 83543-7-RR against Human CD5 were performed. The affinity constant is 2.09 nM.