

For Research Use Only

CD6 Recombinant antibody

Catalog Number: 84508-5-RR



Basic Information

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| Catalog Number: 84508-5-RR | GenBank Accession Number: BC033755 | Purification Method: Protein A purification |
| Size: 100ul , Concentration: 1000 µg/ml by Nanodrop; | GeneID (NCBI): 923 | CloneNo.: 241965D11 |
| Source: Rabbit | UNIPROT ID: P30203 | Recommended Dilutions: WB 1:500-1:2000 IHC 1:500-1:2000 |
| Isotype: IgG | Full Name: CD6 molecule | |
| | Observed MW: 140 kDa | |

Applications

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|---|---|
| Tested Applications: WB, IHC, ELISA | Positive Controls: |
| Species Specificity: human | WB : Jurkat cells, IHC : human tonsillitis tissue, |

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

Background Information

CD6 is a type I transmembrane glycoprotein that belongs to the scavenger receptor cysteine-rich superfamily (PMID: 21880988). It is composed of an extracellular region, which consists of three tandem SRCR domains, a transmembrane region, and a cytoplasmic tail devoid of intrinsic catalytic activity but harboring several phosphorylatable residues suitable for intracellular signal transduction (PMID: 38139340; 23711376). CD6 is expressed by T cells, medullary thymocytes, a subset of B cells and NK cells, and in some cells of the brain (PMID: 1919444; 21178331). CD6 plays a role in lymphocyte activation, proliferation, and survival processes via interaction with its endogenous ligands.

Storage

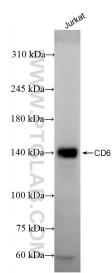
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20° C storage

*** 20ul sizes contain 0.1% BSA

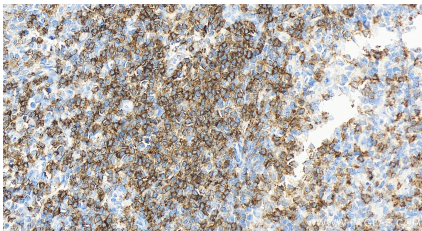
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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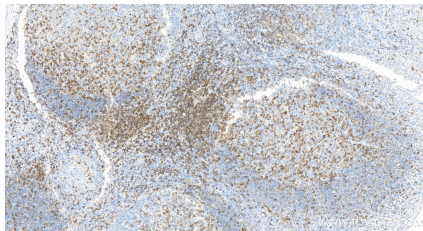
Selected Validation Data



Jurkat cells were subjected to SDS PAGE followed by western blot with 84508-5-RR (CD6 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 84508-5-RR (CD6 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 84508-5-RR (CD6 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).