

For Research Use Only

CD6 Recombinant antibody

Catalog Number: 84166-5-RR



Basic Information

Catalog Number:	84166-5-RR	GenBank Accession Number:	NM_009852.3	Purification Method:	Protein A purification
Concentration:	1000 µg/ml	GenID (NCBI):	12511	CloneNo.:	241471H6
Source:	Rabbit	UNIPROT ID:	Q61003-1	Recommended Dilutions:	WB 1:500-1:2000 IHC 1:50-1:500 IF-P 1:200-1:800
Isotype:	IgG	Full Name:	CD6 antigen		
Immunogen Catalog Number:	EG1401	Calculated MW:	72kDa		
		Observed MW:	130 kDa		

Applications

Tested Applications:

WB, IHC, IF-P, ELISA

Species Specificity:

mouse

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: mouse spleen tissue,

IHC: mouse spleen tissue,

IF-P: mouse spleen tissue,

Background Information

CD6 is a type I transmembrane glycoprotein of 105-130 kDa that belongs to the scavenger receptor cysteine-rich superfamily (PMID: 21880988). It is composed of an extracellular region, which consists of three tandem SSCR domains, a transmembrane region, and a cytoplasmic tail devoid of intrinsic catalytic activity but harbouring 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, pH7.3

Aliquoting is unnecessary for -20°C storage

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

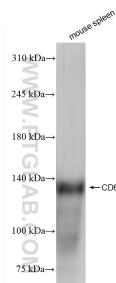
T: 4006900926

E: Proteintech-CN@ptglab.com

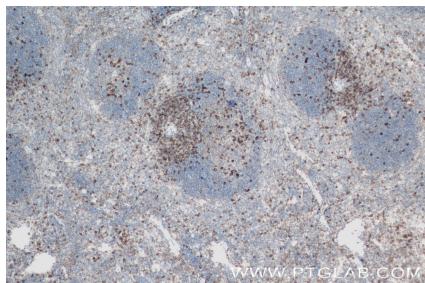
W: ptgcn.com

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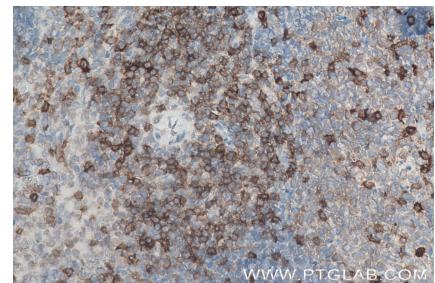
Selected Validation Data



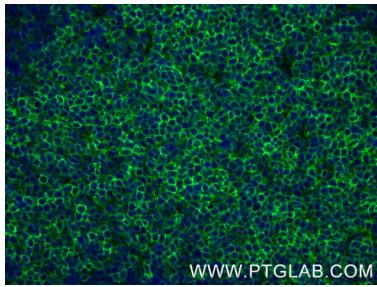
mouse spleen tissue was subjected to SDS PAGE followed by western blot with 84166-5-RR (CD6 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse spleen tissue slide using 84166-5-RR (CD6 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse spleen tissue slide using 84166-5-RR (CD6 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse spleen tissue using CD6 antibody (84166-5-RR, Clone: 241471H6) at dilution of 1:400 and Coralite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA000013-2). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).