

For Research Use Only

CD30/TNFRSF8 Recombinant monoclonal antibody

Catalog Number: 84420-6-RR



Basic Information

Catalog Number: 84420-6-RR	GenBank Accession Number: NM_009401.2	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 21941	CloneNo.: 241710D6
Source: Rabbit	UNIPROT ID: Q60846	Recommended Dilutions: IHC: 1:500-1:2000
Isotype: IgG	Full Name: tumor necrosis factor receptor superfamily, member 8	
Immunogen Catalog Number: EG1307	Calculated MW: 53kDa	

Applications

Tested Applications: IHC, ELISA	Positive Controls: IHC : mouse spleen tissue,
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	

Background Information

CD30, also known as TNFRSF8 or Ki-1, is a transmembrane glycoprotein belonging to the tumor necrosis factor receptor superfamily. It is composed of an extracellular domain with six cysteine-rich repeats, a transmembrane segment, and an intracellular domain (PMID: 1310894). CD30 is expressed on a small subset of activated T and B lymphocytes, and a variety of lymphoid neoplasms, with the highest expression in classical Hodgkin's lymphoma and anaplastic large cell lymphoma (PMID: 9826579; 28885612). The CD30 ligand (CD30L or CD153) is a type II transmembrane glycoprotein of the tumor necrosis factor ligand superfamily (PMID: 8701986). Signal transduction of CD30/CD30L utilizes signal transducers, TNFR-associated factors (TRAF 1, 2, 3 and 5) (PMID: 9826579).

Storage

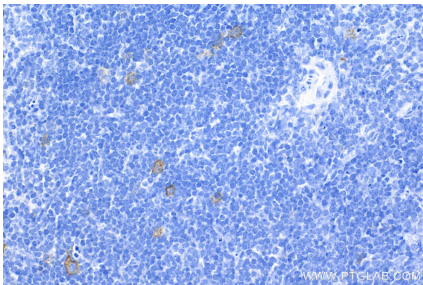
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

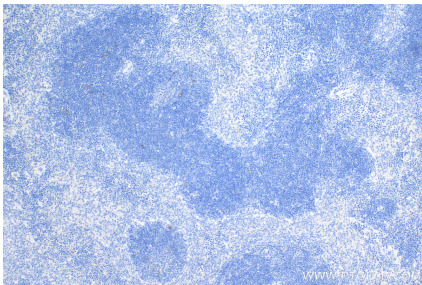
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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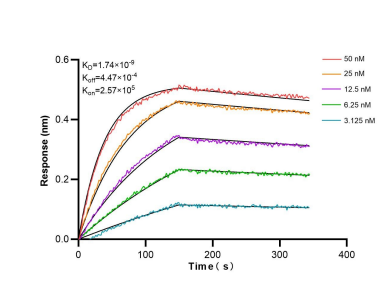
Selected Validation Data



Immunohistochemical analysis of paraffin-embedded mouse spleen tissue slide using 84420-6-RR (CD30/TNFRSF8 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 mouse spleen tissue slide using 84420-6-RR (CD30/TNFRSF8 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Biolayer interferometry (BLI) kinetic assays of 84420-6-RR against Mouse CD30/TNFRSF8 were performed. The affinity constant is 1.74 nM.