

For Research Use Only

# Mouse CD30/TNFRSF8 Recombinant monoclonal antibody, PBS Only

Catalog Number: 84420-6-PBS



## Basic Information

<b>Catalog Number:</b> 84420-6-PBS	<b>GenBank Accession Number:</b> NM_009401.2	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug , Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 21941	<b>CloneNo.:</b> 241710D6
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q60846	
<b>Isotype:</b> IgG	<b>Full Name:</b> tumor necrosis factor receptor superfamily, member 8	
<b>Immunogen Catalog Number:</b> EG1307	<b>Calculated MW:</b> 53kDa	

## Applications

**Tested Applications:**  
IHC, Indirect ELISA

**Species Specificity:**  
mouse

## 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 (TRAF1, 2, 3 and 5) (PMID: 9826579).

## Storage

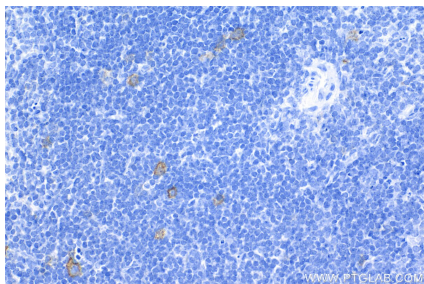
**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS only, pH7.3

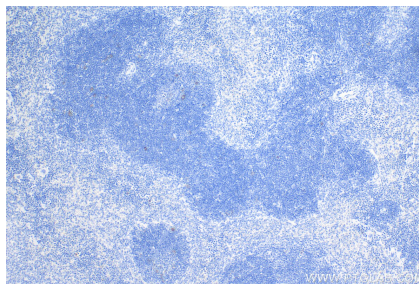
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
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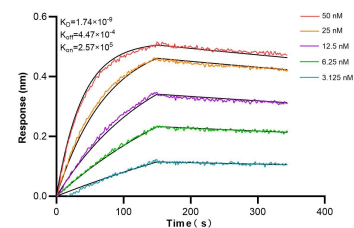
## Selected Validation Data



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). This data was developed using the same antibody clone with 84420-6-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 84420-6-PBS in a different storage buffer formulation.



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