

For Research Use Only

Mouse CD30/TNFRSF8 Recombinant monoclonal antibody, PBS Only

Catalog Number: 84420-6-PBS



Basic Information

Catalog Number:	84420-6-PBS	GenBank Accession Number:	NM_009401.2
Size:	100ug, Concentration: 1 mg/ml by Nanodrop;	GenID (NCBI):	21941
Source:	Rabbit	UNIPROT ID:	Q60846
Isotype:	IgG	Full Name:	tumor necrosis factor receptor superfamily, member 8
Immunogen Catalog Number:	EG1307	Calculated MW:	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.

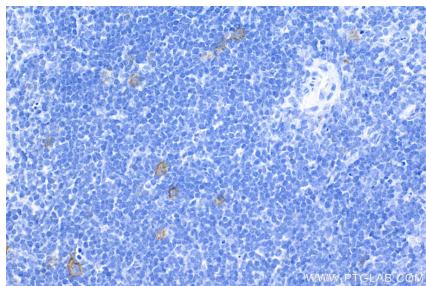
Storage Buffer:

PBS only, pH7.3

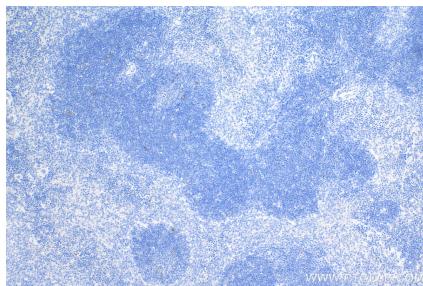
For technical support and original validation data for this product please contact:
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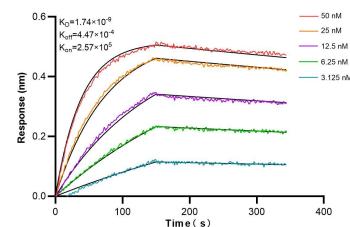
Selected Validation Data



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.