

For Research Use Only

CD30/TNFRSF8 Recombinant monoclonal antibody

Catalog Number: 84420-7-RR



Basic Information

Catalog Number:	84420-7-RR	GenBank Accession Number:	NM_009401.2	Purification Method:	Protein A purification
Size:	100ul, Concentration: 1000 µg/ml by Nanodrop;	GenelD (NCBI):	21941	CloneNo.:	241710B9
Source:	Rabbit	UNIPROT ID:	Q60846	Recommended Dilutions:	WB: 1:500-1:2000 IHC: 1:500-1:2000
Isotype:	IgG	Full Name:	tumor necrosis factor receptor superfamily, member 8		
Immunogen Catalog Number:	EG1307	Calculated MW:	53kDa		
		Observed MW:	105-120 kDa		

Applications

Tested Applications:	Positive Controls:
WB, IHC, ELISA	WB: EL-4 cells,
Species Specificity:	IHC: mouse spleen 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

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

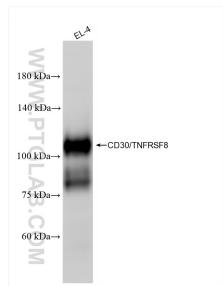
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

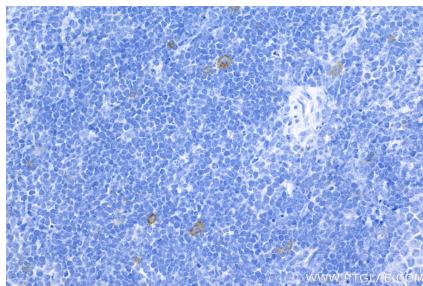
For technical support and original validation data for this product please contact:
T: 1(888) 4PTGLAB (1-888-478-4522) (toll free
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Selected Validation Data



EL-4 cells were subjected to SDS PAGE followed by western blot with 84420-7-RR (CD30/TNFRSF8 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse spleen tissue slide using 84420-7-RR (CD30/TNFRSF8 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).