

For Research Use Only

CD30/TNFRSF8 Recombinant monoclonal antibody

Catalog Number: 84420-6-RR



Basic Information

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|---------------------------|------------|---------------------------|--|------------------------|------------------------|
| Catalog Number: | 84420-6-RR | GenBank Accession Number: | NM_009401.2 | Purification Method: | Protein A purification |
| Concentration: | 1000 µg/ml | GenID (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 (TRAF1, 2, 3 and 5) (PMID: 9826579).

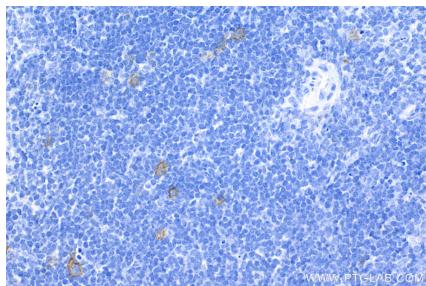
Storage

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

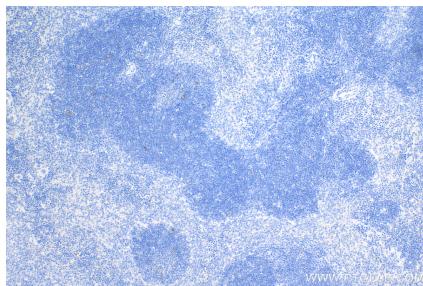
For technical support and original validation data for this product please contact:
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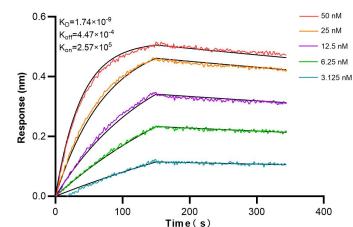
Selected Validation Data



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).



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.