

# CD30/TNFRSF8 Recombinant monoclonal antibody

Catalog Number: 84420-6-RR

## Basic Information

## Catalog Number:

84420-6-RR

## Concentration:

1000 µg/ml

## Source:

Rabbit

## Isotype:

IgG

## Immunogen Catalog Number:

EG1307

## GenBank Accession Number:

NM\_009401.2

## GeneID (NCBI):

21941

## UNIPROT ID:

Q60846

## Full Name:

tumor necrosis factor receptor  
superfamily, member 8

## Calculated MW:

53kDa

## Purification Method:

Protein A purification

## CloneNo.:

241710D6

## Recommended Dilutions:

IHC: 1:500-1:2000

## Applications

## Tested Applications:

IHC, ELISA

## Species Specificity:

mouse

## Positive Controls:

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 (TRAF 1, 2, 3 and 5) (PMID: 9826579).

## Storage

## Storage:

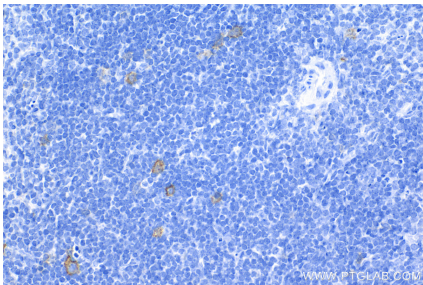
Store at -20°C. Stable for one year after shipment.

## Storage Buffer:

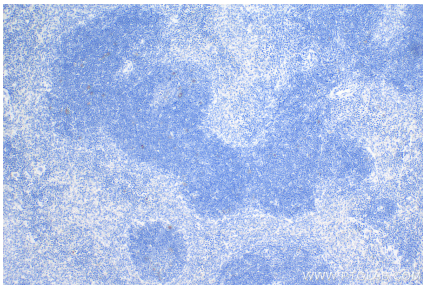
PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

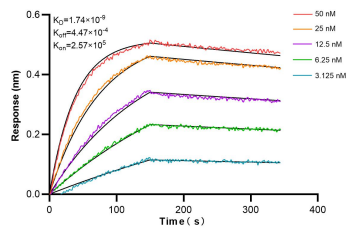
Selected Validation Data



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.