

For Research Use Only

# Anti-Mouse CD30 Ligand/TNFSF8 Rabbit Recombinant Antibody, PBS Only

Catalog Number: 98113-1-PBS



## Basic Information

**Catalog Number:**

98113-1-PBS

**Size:**

1mg, 2 mg/ml

**Source:**

Rabbit

**Isotype:**

IgG

**GenBank Accession Number:**

NM\_009403.3

**GeneID (NCBI):**

21949

**UNIPROT ID:**

P32972

**Full Name:**

tumor necrosis factor (ligand)  
superfamily, member 8

**Calculated MW:**

27 kDa

**Purification Method:**

Protein A purification

**CloneNo.:**

241012G10

## Applications

**Tested Applications:**

FC

**Species Specificity:**

mouse

## Background Information

CD30 Ligand (CD30L), also named as TNFSF8 or CD153, is a type II transmembrane protein that belongs to the tumor necrosis factor (TNF) superfamily (PMID: 8391931). It is expressed on the surface of activated T cells, B cells, monocytes, macrophages, eosinophils, neutrophils, and mast cells (PMID: 26090498). CD30L interacts with its receptor, CD30, which is a cell surface protein expressed on a small subset of activated T and B lymphocytes, and a variety of lymphoid neoplasms, with the highest expression in classical Hodgkin lymphoma and anaplastic large cell lymphomas (PMID: 28885612). The CD30/CD30L signaling is involved in pleiotropic downstream effects including differentiation, cell survival and death, NFκB activation, and production of cytokines (PMID: 38534788).

## Storage

**Storage:**

Store at -80°C.

**Storage Buffer:**

PBS Only

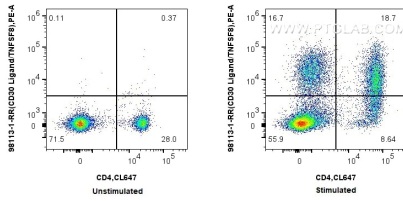
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free  
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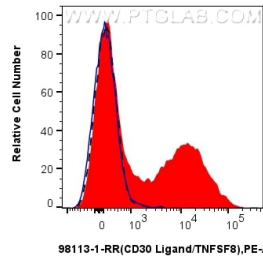
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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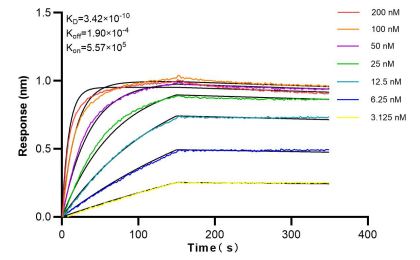
## Selected Validation Data



1x10<sup>6</sup> untreated or anti-CD3/CD28 treated mouse splenocytes were surface stained with 0.25 ug Anti-Mouse CD30 Ligand/TNFSF8 Rabbit Recombinant Antibody (98113-1-RR, Clone: 241012G10) and PE-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were co-stained with APC Anti-Mouse CD4. Cells were not fixed. This data was developed using the same antibody clone with 98113-1-PBS in a different storage buffer formulation.



1x10<sup>6</sup> anti-CD3/CD28 treated mouse splenocytes were surface stained with 0.25 ug Anti-Mouse CD30 Ligand/TNFSF8 Rabbit Recombinant Antibody (98113-1-RR, Clone:241012G10) (red) or Isotype Control (blue) and PE-Conjugated Goat Anti-Rabbit IgG(H+L). 1x10<sup>6</sup> untreated mouse splenocytes were surface stained with 0.25 ug Anti-Mouse CD30 Ligand/TNFSF8 Rabbit Recombinant Antibody (98113-1-RR, Clone: 241012G10) (black, dashed) and PE-



Biolayer interferometry (BLI) kinetic assays of 98113-1-RR against Mouse CD30 Ligand/TNFSF8 were performed. The affinity constant is 0.342 nM.