

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.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS Only

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

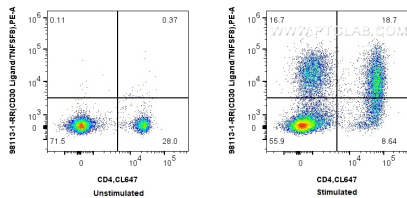
T: 4006900926

E: Proteintech-CN@ptglab.com

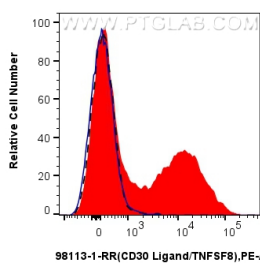
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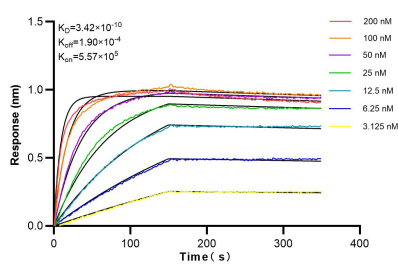
Selected Validation Data



1x10⁶ 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.



1x10⁶ 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). 1x10⁶ 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.