

For Research Use Only

Anti-Mouse CD30 Ligand/TNFSF8 Rabbit Recombinant Antibody

Catalog Number: 98113-1-RR



Basic Information

Catalog Number: 98113-1-RR	GenBank Accession Number: NM_009403.3	Purification Method: Protein A purification
Size: 100ug , 1000 µg/ml	GeneID (NCBI): 21949	CloneNo.: 241012G10
Source: Rabbit	UNIPROT ID: P32972	
Isotype: IgG	Full Name: tumor necrosis factor (ligand) superfamily, member 8	
	Calculated MW: 27 kDa	

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 2 - 8°C. Stable for one year after shipment.

Storage Buffer:
PBS with 0.09% sodium azide, pH 7.3.

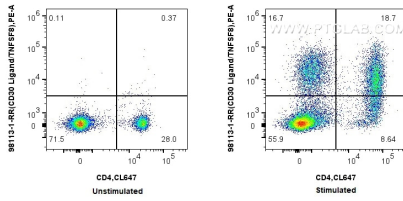
For technical support and original validation data for this product please contact:

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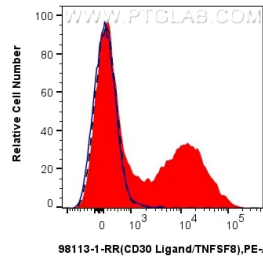
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W: ptglab.com

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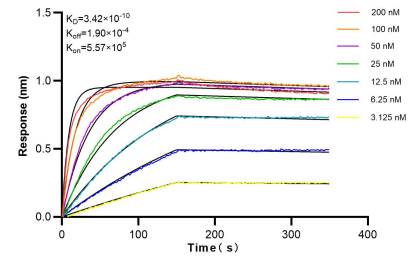
Selected Validation Data



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.



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-



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