

For Research Use Only

Anti-Human CD30 Ligand/TNFSF8 Rabbit Recombinant Antibody

Catalog Number: 98253-1-RR



Basic Information

Catalog Number:

98253-1-RR

Size:

100ug, 1000 ug/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

BC093630

GeneID (NCBI):

944

UNIPROT ID:

P32971

Full Name:

tumor necrosis factor (ligand)
superfamily, member 8

Calculated MW:

234 aa, 26 kDa

Purification Method:

Protein A purification

CloneNo.:

241831D9

Applications

Tested Applications:

FC

Species Specificity:

human

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, NFkB 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:

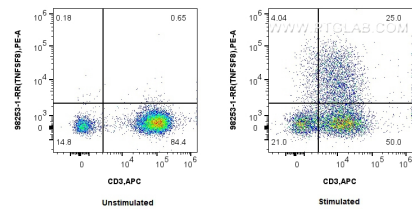
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E: Proteintech-CN@ptglab.com

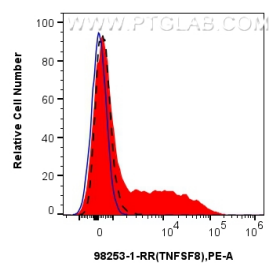
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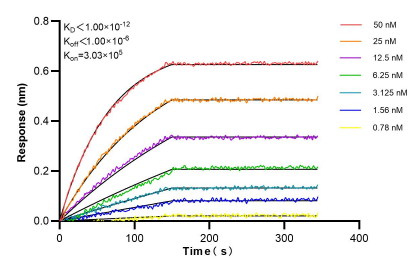
Selected Validation Data



1x10⁶ untreated or PMA and ionomycin treated human PBMCs were surface stained with 0.25 ug Anti-Human CD30 Ligand/TNFSF8 Rabbit Recombinant Antibody (98253-1-RR, Clone: 241831D9) and PE-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were co-stained with APC Anti-Human CD3 (OKT3) Mouse IgG2a Recombinant Antibody (APC-65569, Clone: OKT3). Cells were not fixed.



1x10⁶ PMA and ionomycin treated human PBMCs were surface stained with 0.25 ug Anti-Human CD30 Ligand/TNFSF8 Rabbit Recombinant Antibody (98253-1-RR, Clone: 241831D9) (red) or 0.25 ug Rabbit IgG Isotype Control Recombinant Antibody (98136-1-RR, Clone: 240953C9) (blue), and PE-Conjugated Goat Anti-Rabbit IgG(H+L). 1x10⁶ untreated human PBMCs were surface stained with 0.25 ug Anti-Human CD30 Ligand/TNFSF8 Rabbit Recombinant Antibody (98253-1-RR, Clone:



Biolayer interferometry (BLI) kinetic assays of 98253-1-RR against Human CD30 Ligand/TNFSF8 were performed. The affinity constant is below 1 pM.