

For Research Use Only

Anti-Human CD134/OX40 Rabbit Recombinant Antibody, PBS Only

Catalog Number: 98181-1-PBS



Basic Information

Catalog Number:

98181-1-PBS

Size:

1mg, 2 mg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_003327

GeneID (NCBI):

7293

UNIPROT ID:

P43489

Full Name:

tumor necrosis factor receptor superfamily, member 4

Calculated MW:

29 kDa

Purification Method:

Protein A purification

CloneNo.:

241398G7

Applications

Tested Applications:

FC

Species Specificity:

human

Background Information

CD134, also known as OX40 and TNFRSF4, is a member of the TNFR-superfamily of receptors (PMID: 2828930; 9766631). It is a type I transmembrane protein predominantly expressed on activated T cells which include CD4 and CD8 T cells, Th2, Th1, and Th17 cells, as well as regulatory T cells (Tregs) (PMID: 20307208). CD134 is activated by its cognate ligand CD134L (OX40L) and functions as a T cell co-stimulatory molecule (PMID: 26215166). CD134-CD134L interactions have been proposed as a potential therapeutic target for treating autoimmune diseases, cancer and infectious disease (PMID: 26215166; 19426222).

Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS Only

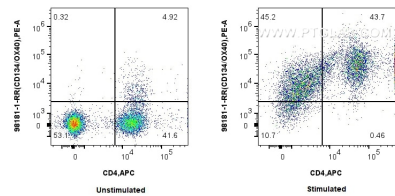
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

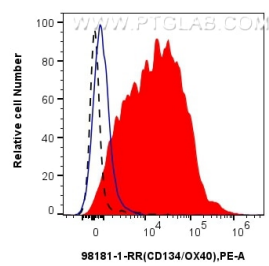
E: proteintech@ptglab.com
W: ptglab.com

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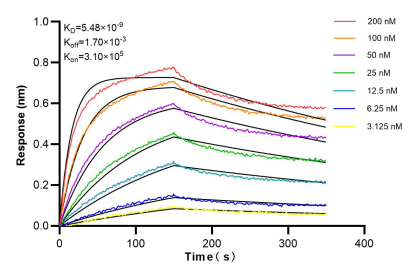
Selected Validation Data



1x10⁶ untreated or PHA-treated human PBMCs were surface stained with 0.25 ug Anti-Human CD134/OX40 Rabbit Recombinant Antibody (98181-1-RR, Clone: 241398G7) and PE-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were co-stained with APC Anti-Human CD4 (RPA-T4) (APC-65143, Clone: RPA-T4). Cells were not fixed. This data was developed using the same antibody clone with 98181-1-PBS in a different storage buffer formulation.



1x10⁶ PHA-treated human PBMCs were surface stained with 0.25 ug Anti-Human CD134/OX40 Rabbit Recombinant Antibody (98181-1-RR, Clone: 241398G7) (red) or Isotype Control (blue) and PE-Conjugated Goat Anti-Rabbit IgG(H+L). 1x10⁶ untreated human PBMCs were surface stained with 0.25 ug Anti-Human CD134/OX40 Rabbit Recombinant Antibody (98181-1-RR, Clone: 241398G7) (black, dashed) and PE-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were not



Biolayer interferometry (BLI) kinetic assays of 98181-1-RR against Human CD134/OX40 were performed. The affinity constant is 5.48 nM.