

For Research Use Only

Anti-Human CD134/OX40 Rabbit Recombinant Antibody

Catalog Number: 98181-1-RR



Basic Information

Catalog Number: 98181-1-RR	GenBank Accession Number: NM_003327	Purification Method: Protein A purification
Size: 100ug, 1000 ug/ml	GeneID (NCBI): 7293	CloneNo.: 241398G7
Source: Rabbit	UNIPROT ID: P43489	
Isotype: IgG	Full Name: tumor necrosis factor receptor superfamily, member 4	
	Calculated MW: 29 kDa	

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 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:

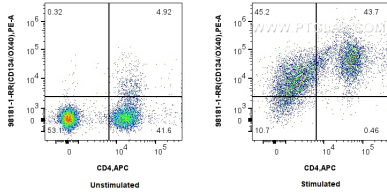
T: 4006900926

E: Proteintech-CN@ptglab.com

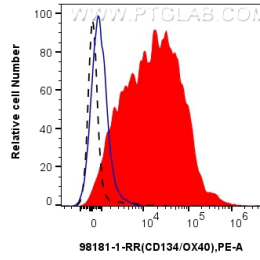
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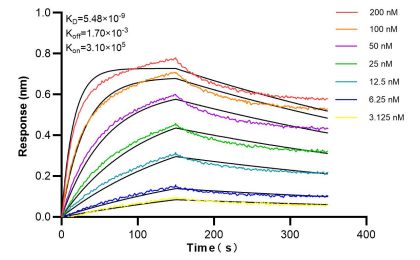
Selected Validation Data



1×10^6 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.



1×10^6 PHA-treated human PBMCs were surface stained with 0.25 ug Anti-Human CD134/OX40 Rabbit Recombinant Antibody (98181-1-RR, Clone: 241398G7) or Isotype Control (blue) and PE-Conjugated Goat Anti-Rabbit IgG(H+L). 1×10^6 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



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