

For Research Use Only

# Anti-Human TNFRSF9/CD137 Rabbit Recombinant Antibody

Catalog Number: 98112-1-RR



## Basic Information

<b>Catalog Number:</b> 98112-1-RR	<b>GenBank Accession Number:</b> BC006196	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug, 1000 ug/ml	<b>GeneID (NCBI):</b> 3604	<b>CloneNo.:</b> 241344F3
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q07011	
<b>Isotype:</b> IgG	<b>Full Name:</b> tumor necrosis factor receptor superfamily, member 9	
	<b>Calculated MW:</b> 28 kDa	

## Applications

**Tested Applications:**  
FC

**Species Specificity:**  
human

## Background Information

CD137, also known as TNFRSF9 or 4-1BB, is an inducible T cell surface receptor that belongs to the tumor necrosis factor receptor superfamily. CD137 is a transmembrane protein expressed on the surface of activated T-cells. In addition, activation-dependent expression of CD137 has also been found in B lymphocytes, monocytes, and diverse nonlymphoid cell types. CD137 provides a co-stimulatory signal that enhances the survival, and differentiation of cells, and has a crucial role in the development of CD8 cytotoxic T cells and anti-tumor immunity. (PMID: 9826581; 23696891)

## 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:

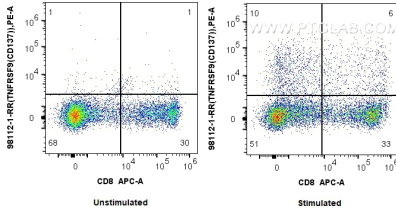
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E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

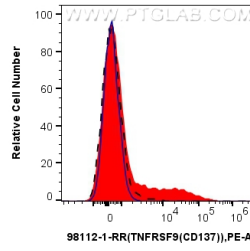
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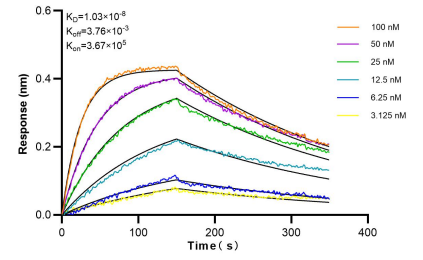
## Selected Validation Data



1x10<sup>6</sup> unstimulated or Con-A-stimulated human PBMCs were surface stained with 0.25 ug Anti-Human TNFRSF9/CD137 Rabbit Recombinant Antibody (98112-1-RR, Clone: 241344F3) and PE-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), and 0.25 ug APC Anti-Human CD8 (UCHT4) Mouse IgG2a Recombinant Antibody (APC-65559, Clone: UCHT4). Cells were not fixed.



1x10<sup>6</sup> unstimulated (black) or Con-A-stimulated human PBMCs (red) were surface stained with 0.25 ug Anti-Human TNFRSF9/CD137 Rabbit Recombinant Antibody (98112-1-RR, Clone: 241344F3) and PE-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), or Isotype Control (blue). Cells were not fixed.



Bi-layer interferometry (BLI) kinetic assays of 98112-1-RR against Human TNFRSF9/CD137 were performed. The affinity constant is 10.3 nM.