

For Research Use Only

Anti-Human TNFRSF9/CD137 Rabbit Recombinant Antibody

Catalog Number: 98112-1-RR



Basic Information

Catalog Number:

98112-1-RR

Size:

100ug, 1000 ug/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

BC006196

GeneID (NCBI):

3604

UNIPROT ID:

Q07011

Full Name:

tumor necrosis factor receptor
superfamily, member 9

Calculated MW:

28 kDa

Purification Method:

Protein A purification

CloneNo.:

241344F3

Recommended Dilutions:

IF-P 1:50-1:500

Applications

Tested Applications:

IF-P, FC

Species Specificity:

human

Positive Controls:

IF-P: human tonsillitis tissue,

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:

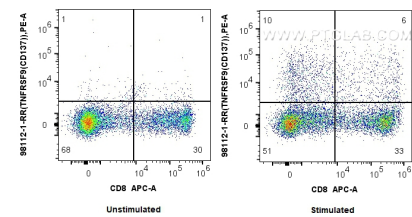
T: 4006900926

E: Proteintech-CN@ptglab.com

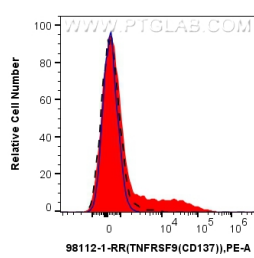
W: ptgcn.com

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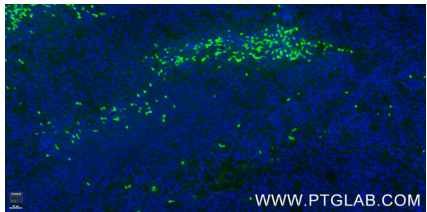
Selected Validation Data



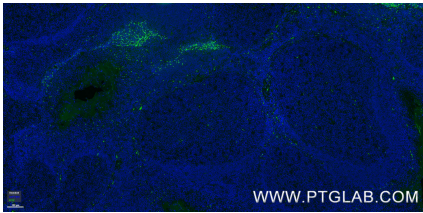
1x10⁶ unstimulated or Con-A-stimulated human PBMCs were surface stained with 0.25 ug Anti-Human TNFRSF9/CD137 Rabbit Recombinant Antibody (98112-1-RR, Clone: 241344F3) and PE-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), and 0.25 ug APC Anti-Human CD8 (UCHT4) Mouse IgG2a Recombinant Antibody (APC-65559, Clone: UCHT4). Cells were not fixed.



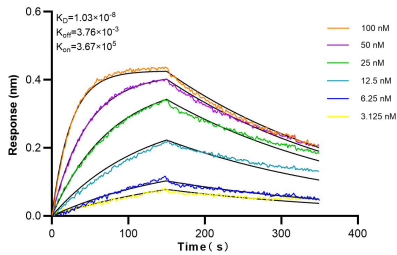
1x10⁶ unstimulated (black) or Con-A-stimulated human PBMCs (red) were surface stained with 0.25 ug Anti-Human TNFRSF9/CD137 Rabbit Recombinant Antibody (98112-1-RR, Clone: 241344F3) and PE-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), or Isotype Control (blue). Cells were not fixed.



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded human tonsillitis tissue using TNFRSF9/CD137 antibody (98112-1-RR, Clone: 241344F3) at dilution of 1:180 and Multi-rAb CoraLite® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded human tonsillitis tissue using TNFRSF9/CD137 antibody (98112-1-RR, Clone: 241344F3) at dilution of 1:180 and Multi-rAb CoraLite® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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