

For Research Use Only

Anti-Human TNFRSF9/CD137 Rabbit Recombinant Antibody, PBS Only

Catalog Number: 98112-1-PBS



Basic Information

Catalog Number:

98112-1-PBS

Size:

1mg, 2 mg/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

Applications

Tested Applications:

IHC, IF-P, 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 -80°C.

Storage Buffer:

PBS only, pH7.3

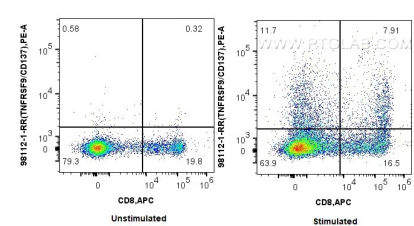
For technical support and original validation data for this product please contact:

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

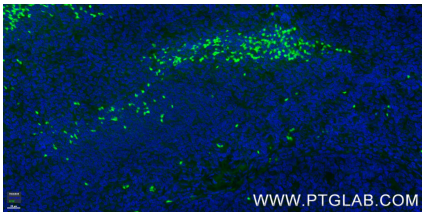
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

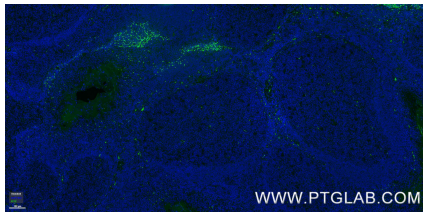
Selected Validation Data



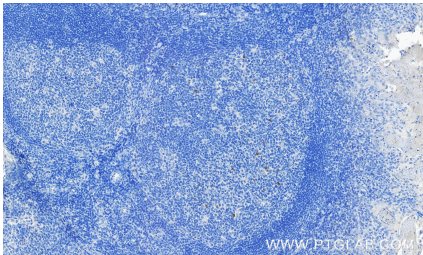
1x10⁶ unstimulated or Con-A-stimulated human PBMCs were surface stained with 0.25 ug Anti-Human TNFRSF9/CD137 Rabbit RecAb (98112-1-RR, Clone: 241344F3), or Rabbit IgG Isotype Control RecAb (98136-1-RR, Clone: 240953C9) and PE-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were then stained with APC Anti-Human CD8. Cells were not fixed. This data was developed using the same antibody clone with 98112-1-PBS in a different storage buffer formulation.



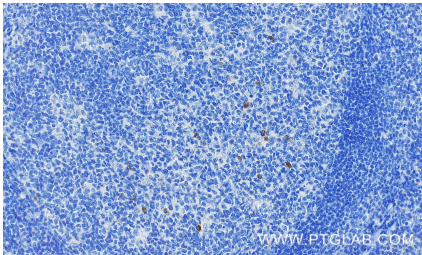
Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded human tonsillitis tissue using TNFRSF9/CD137 antibody (98112-1-RR, Clone: 241344F3) at dilution of 1:180 and Multi-rAb CoraLite® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002). Heat mediated antigen retrieval with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



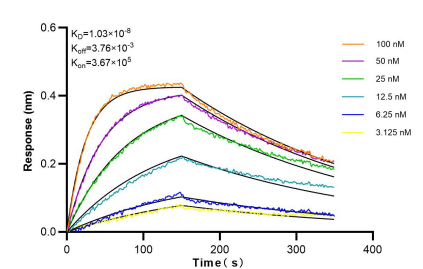
Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded human tonsillitis tissue using TNFRSF9/CD137 antibody (98112-1-RR, Clone: 241344F3) at dilution of 1:180 and Multi-rAb CoraLite® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002). Heat mediated antigen retrieval with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



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 98112-1-RR (TNFRSF9/CD137 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 98112-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 98112-1-RR (TNFRSF9/CD137 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 98112-1-PBS in a different storage buffer formulation.



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