

For Research Use Only

# CoraLite® Plus 647 Anti-Human TNFRSF9/CD137 Rabbit Recombinant Antibody

Catalog Number: CL647-98112



## Basic Information

Catalog Number:

CL647-98112

Concentration:

100 tests, 5 µl/test

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:

FC: 5 µl per 10<sup>6</sup> cells in a 100 µl suspension

Excitation/Emission maxima wavelengths:

654 nm / 674 nm

## Applications

Tested Applications:

FC

Species Specificity:

human

Positive Controls:

FC : Con-A treated human PBMCs,

## 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. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 0.09% sodium azide, pH7.3

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

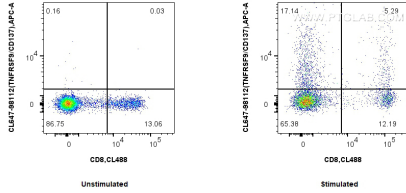
T: 4006900926

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

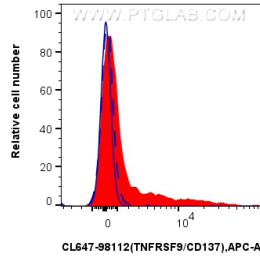
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## Selected Validation Data



1x10<sup>6</sup> untreated or Con-A treated human PBMCs were surface stained with CoraLite® Plus 488 Anti-Human CD8 (UCHT4) Mouse IgG2a Recombinant Antibody (CL488-65559, Clone: UCHT4) and 5 ul/ml PE/CF647 Anti-Human TNFRSF9/CD137 Rabbit RecAb (CL647-98112, Clone: 241344F3). Cells were not fixed.



1x10<sup>6</sup> Con-A treated human PBMCs were surface stained with 5  $\mu$ l Plus 647 Anti-Human TNFRSF9/CD137 Rabbit RecAb (CL647-98112, Clone: 241344F3) (red) or Coralite®647 Rabbit IgG Isotype Control RecAb (CL647-98136, Clone: 240953C9) (blue). 1x10<sup>6</sup> untreated human PBMCs were surface stained with 5  $\mu$ l Plus 647 Anti-Human TNFRSF9/CD137 Rabbit RecAb (CL647-98112, Clone: 241344F3) (black, dashed). Cells were not fixed.