

For Research Use Only

# Anti-Human TNFRSF9/CD137 (4B4-1)

Catalog Number: 65159-1-Ig



## Basic Information

Catalog Number:

65159-1-Ig

Size:

100ug, 1 mg/ml

Source:

Mouse

Isotype:

IgG1, kappa

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:

Purified by protein-A affinity  
chromatography

CloneNo.:

4B4-1

## Applications

Tested Applications:

FC

Species Specificity:

human, non-human primates

## 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 0.1% sodium azide.

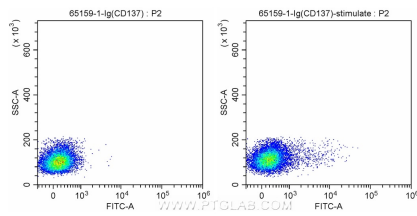
For technical support and original validation data for this product please contact:

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

E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

## Selected Validation Data



1X10<sup>6</sup> PHA stimulated (5 µg/mL, 3 days) (right) or unstimulated (left) human peripheral blood mononuclear cells (PBMCs) were surface stained with 0.13 µg Anti-Human CD137 (65159-1-Ig, Clone: 4B4-1) and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) at dilution 1:1000. Cells were not fixed.