

For Research Use Only

# FcZero-rAb™ PE Anti-Human IL-12RB1/CD212 Rabbit Recombinant Antibody

Catalog Number: PE-FcA98149



## Basic Information

Catalog Number:

PE-FcA98149

Concentration:

100tests, 5 ul/test

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

BC029121

GeneID (NCBI):

3594

Full Name:

interleukin 12 receptor, beta 1

Calculated MW:

662 aa, 73 kDa

Purification Method:

Protein A purification

CloneNo.:

241661H1

Recommended Dilutions:

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

Excitation/Emission maxima wavelengths:

496 nm, 565 nm / 578 nm

## Applications

Tested Applications:

FC

Species Specificity:

human

Positive Controls:

FC : Anti-CD3/CD28 treated human PBMCs,

## Background Information

Interleukin-12 receptor subunit beta-1 (IL-12RB1), also named as CD212, is a 662 amino acid protein, which contains 5 fibronectin type-III domains and belongs to the type I cytokine receptor family. IL-12RB1 localizes in the membrane and functions as an interleukin receptor which binds IL-12 with low affinity and is involved in IL-12 transduction. Associated with IL-12RB2 it forms a functional, high affinity receptor for IL-12. It can also associate with IL23R to form the interleukin-23 receptor which functions in IL-23 signal transduction probably through activation of the Jak-Stat signaling cascade.

## 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 and 0.5% BSA, pH7.3

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

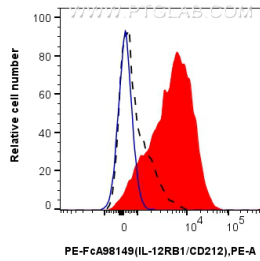
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

## Selected Validation Data



1x10<sup>6</sup> anti-CD3/CD28 treated human PBMCs were surface stained with 5 ul PE Anti-Human IL-12RB1/CD212 Rabbit RecAb (PE-FcA98149, Clone: 241661H1) (red) or PE Rabbit IgG Isotype Control RecAb (PE-FcA98136, Clone: 240953C9) (blue). 1x10<sup>6</sup> untreated human PBMCs were surface stained with 5 ul PE Anti-Human IL-12RB1/CD212 Rabbit RecAb (PE-FcA98149, Clone: 241661H1) (black, dashed). Cells were not fixed.