

For Research Use Only

PE Anti-Human IL-3RB/CD131 Rabbit Recombinant Antibody

Catalog Number: PE-98336-2



Basic Information

Catalog Number:

PE-98336-2

Concentration:

100tests, 5 ul/test

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

EG1662

GenBank Accession Number:

NM_000395.3

GeneID (NCBI):

1439

UNIPROT ID:

P32927-1

Full Name:

colony stimulating factor 2 receptor, beta, low-affinity (granulocyte-macrophage)

Calculated MW:

97kDa

Purification Method:

Protein A purification

CloneNo.:

241823B12

Recommended Dilutions:

FC: 5 ul per 10⁶ 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 : Transfected HEK-293T cells,

Background Information

IL-3RB/CD131, also known as CSF2RB, is the common subunit of the type I cytokine receptors for granulocyte-macrophage colony-stimulating factor (GM-CSF), interleukin (IL)-3 and IL-5. CD131 is expressed on various immune cells, including hematopoietic progenitor cells, granulocytes, monocytes, macrophages, eosinophils, and mast cells, which plays a crucial role in mediating the effects of cytokines (PMID: 18412971). Tregs of healthy donors constitutively transcribe CSF2RB, but protein expression was much higher after TCR stimulation (PMID: 36532080, 3557440).

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:

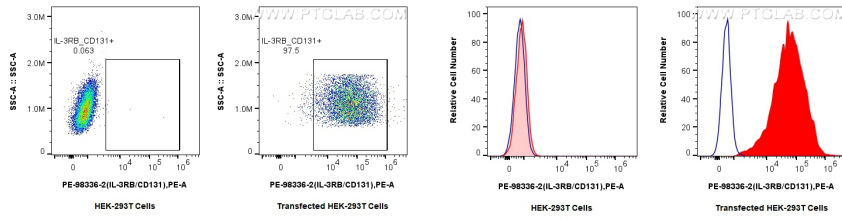
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Selected Validation Data



1x10⁶ HEK-293T cells (left) or IL-3RB/CD131-transfected HEK-293T cells (right) were surface stained with 5 ul PE Anti-Human IL-3RB/CD131 Rabbit RecAb (PE-98336-2, Clone: 241823B12). Cells were not fixed.

1x10⁶ HEK-293T cells (left) or IL-3RB/CD131-transfected HEK-293T cells (right) were surface stained with 5 ul PE Anti-Human IL-3RB/CD131 Rabbit RecAb (PE-98336-2, Clone: 241823B12) (red) or PE Rabbit IgG Isotype Control Recombinant Antibody (PE-98136, Clone: 240953C9) (blue). Cells were not fixed.