

For Research Use Only

# CoraLite® Plus 647 Anti-Mouse IL-3RB/CD131 Rabbit Recombinant Antibody

Catalog Number: **CL647-98232**



## Basic Information

Catalog Number:

CL647-98232

Concentration:

100ug, 500 ug/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM\_007780.4

GeneID (NCBI):

12983

UNIPROT ID:

P26955

Full Name:

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

Calculated MW:

99kDa

Purification Method:

Protein A purification

CloneNo.:

241954C1

Excitation/Emission maxima wavelengths:

654 nm / 674 nm

## Applications

Tested Applications:

FC

Species Specificity:

mouse

## Background Information

CD131, also known as IL-3RB, IL-5RB, colony stimulating factor 2 receptor subunit beta (CSF2RB), or cytokine receptor common subunit beta, is the common subunit of the type I cytokine receptors for granulocyte-macrophage colony-stimulating factor (GM-CSF), IL-3 and IL-5 (PMID: 36532080). It is expressed predominantly by hematopoietic cells but also by non-hematopoietic cells (PMID: 10582335). CD131 mediates intracellular signaling by JAK2, leading to phosphorylation of CD131 and triggering signaling pathways such as STAT5, MAPK and PI3-Kinase/AKT which regulate cell survival, proliferation and function (PMID: 23535386).

## 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

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

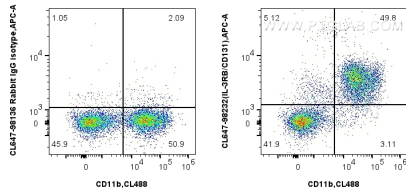
T: 4006900926

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

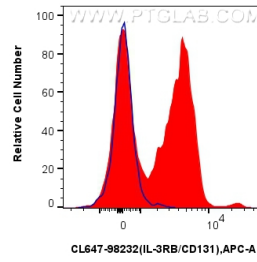
W: [ptgcn.com](http://ptgcn.com)

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## Selected Validation Data



1x10<sup>6</sup> mouse bone marrow cells were surface stained with CoraLite® Plus 488 Anti-Mouse CD11b, and 0.25 ug CoraLite® Plus 647 Anti-Mouse IL-3RB/CD131 Rabbit RecAb (CL647-98232, Clone: 241954C1) or CoraLite® Plus 647 Rabbit IgG Isotype Control RecAb (CL647-98136, Clone: 240953C9). Cells were not fixed.



1x10<sup>6</sup> mouse bone marrow cells were surface stained with 0.25 ug CoraLite® Plus 647 Anti-Mouse IL-3RB/CD131 Rabbit RecAb (CL647-98232, Clone: 241954C1) (red) or CoraLite® Plus 647 Rabbit IgG Isotype Control RecAb (CL647-98136, Clone: 240953C9) (blue). Cells were not fixed.