CoraLite®594 Anti-Mouse IL-3RB/CD131 Rabbit Recombinant Antibody

Catalog Number:CL594-98232

proteintech®
Antibodies | ELISA kits | Proteins
Uni-rAb
www.ptglab.com

Basic Information

Catalog Number:
CL594-98232

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:
588 nm / 604 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).
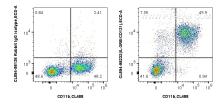
Storage

Storage:
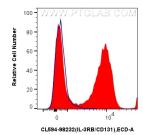Store at 2-8℃. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 0.09% sodium azide

Selected Validation Data

1x10^6 mouse bone marrow cells were surface stained with CoraLite® Plus 488 Anti-Mouse CD11b, and 0.25 ug CoraLite®594 Anti-Mouse IL-3RB/CD131 Rabbit RecAb (CL594-98232, Clone: 241954C1) or CoraLite®594 Rabbit IgG Isotype Control RecAb (CL594-98136, Clone: 240953C9). Cells were not fixed.

1x10^6 mouse bone marrow cells were surface stained with 0.25 ug CoraLite®594 Anti-Mouse IL-3RB/CD131 Rabbit RecAb (CL594-98232, Clone: 241954C1) (red) or CoraLite®594 Rabbit IgG Isotype Control RecAb (CL594-98136, Clone: 240953C9) (blue). Cells were not fixed.