Purified Anti-Human CD131 Antibody[BION-1]

catalog number: **AN010320P**

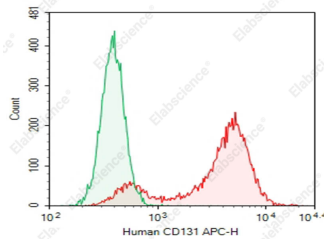
Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

Reactivity	Human
Immunogen	Recombinant Human CD131 protein
Host	Rabbit
Isotype	Rabbit IgG
Clone	BION-1
Purification	>98%, Protein A/G purified
Buffer	Phosphate-buffered solution, pH 7.2, containing 0.05% non-protein stabilizer. Dialyze to completely remove the stabilizer prior to labeling.

Applications	Recommended Dilution
FCM	≤ 0.2 μg per million cells in 100 μL volume

Data



HEK293T cells transfected with pcDNA3.1 plasmid encoding Human CD131 gene were stained with 0.2 μg Purified Anti-Human CD131 Antibody[BION-1] (Right) and 0.2 μg Rabbit IgG1, κ Isotype Control (Left), followed by APC-conjugated Goat Anti-Rabbit IgG Secondary Antibody.

Preparation & Storage

Storage	Store at 4°C valid for 12 months or -20°C valid for long term storage, avoid freeze / thaw cycles.
Shipping	Ice bag

Background

CD131, also known as the IL-3R common β subunit (βC), is a 95-120 kD type I transmembrane glycoprotein and belongs to the Ig superfamily. The common β subunit associates with the specific α subunits of IL-3 receptor, IL-5 receptor and GM-CSF receptor to form high affinity receptors for these cytokines. These cytokine receptors are expressed by neutrophils, eosinophils, monocytes, endothelial cells, fibroblasts and hematopoietic progenitor cells and play a crucial role in growth/activation of eosinophils and in the inflammatory response.

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