

**CD131 (PN0307) Nb-FC recombinant antibody**

<b>Catalog No :</b>	YA0068
<b>Reactivity :</b>	Human
<b>Applications :</b>	ELISA
<b>Target :</b>	CD131
<b>Gene Name :</b>	CSF2RB IL3RB IL5RB
<b>Protein Name :</b>	Cytokine receptor common subunit beta (CDw131) (GM-CSF/IL-3/IL-5 receptor common beta subunit) (CD antigen CD131)
<b>Human Gene Id :</b>	1439
<b>Human Swiss Prot No :</b>	P32927
<b>Immunogen :</b>	Purified recombinant Human CD131
<b>Specificity :</b>	This recombinant monoclonal antibody can detects endogenous levels of CD131 protein.
<b>Formulation :</b>	Phosphate-buffered solution
<b>Source :</b>	Camel, chimeric fusion of Nanobody (VHH) and mouse IgG1 Fc domain , recombinantly produced from 293F cell
<b>Dilution :</b>	ELISA 1:5000-100000
<b>Purification :</b>	Recombinant Expression and Affinity purified
<b>Concentration :</b>	Please check the information on the tube
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Avoid freeze / thaw cycles)
<b>Background :</b>	CD131, also known as the IL-3R common $\beta$ subunit , is a 95-120 kD type I transmembrane glycoprotein and belongs to the Ig superfamily. The common $\beta$ subunit associates with the specific $\alpha$ 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. The 1C1 antibody is a non-blocking antibody.

**Function :**

Cell surface receptor that plays a role in immune response and controls the production and differentiation of hematopoietic progenitor cells into lineage-restricted cells. Acts by forming an heterodimeric receptor through interaction with different partners such as IL3RA, IL5RA or CSF2RA (PubMed:1495999). In turn, participates in various signaling pathways including interleukin-3, interleukin-5 and granulocyte-macrophage colony-stimulating factor/CSF2 pathways. In unstimulated conditions, interacts constitutively with JAK1 and ligand binding leads to JAK1 stimulation and subsequent activation of the JAK-STAT pathway (PubMed:9516124).

**Subcellular Location :**

Membrane; Single-pass type I membrane protein.

**Tag :**

recombinant

**Sort :**

9999

**No4 :**

1

**Speciality :**

Nanobody

## Products Images

