

**CD131 (PN0305) Nb-FC recombinant antibody**

|                              |   |
|------------------------------|---|
| <b>Catalog No :</b>          | YA0066  |
| <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

