

## CD131 (PN0102) Nb-FC recombinant antibody

CatalogNo: YA0609 **Recombinant** 

### Key Features

#### Reactivity

- Human

#### Applications

- ELISA

### Storage

**Storage\*** -15°C to -25°C/1 year(Avoid freeze / thaw cycles)**Formulation** Phosphate-buffered solution

### Recommended Dilution Ratios

**ELISA 1:5000-100000**

### Basic Information

**Source** Camel, chimeric fusion of Nanobody (VHH) and mouse IgG1 Fc domain , recombinantly produced from 293F cell**Purification** Camel, chimeric fusion of Nanobody (VHH) and mouse IgG1 Fc domain , recombinantly produced from 293F cell**Clone Number** PN0102

### Immunogen Information

**Immunogen** Purified recombinant Human CD131**Specificity** This recombinant monoclonal antibody can detects endogenous levels of CD131 protein.

### Target Information

**Gene name** CSF2RB IL3RB IL5RB

**Protein Name** Cytokine receptor common subunit beta (CDw131) (GM-CSF/IL-3/IL-5 receptor common beta subunit) (CD antigen CD131)

Organism	Gene ID	UniProt ID
Human	<a href="#">1439</a> ;	<a href="#">P32927</a> ;

**Cellular Localization** Membrane; Single-pass type I membrane protein.

**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).

## Validation Data

## Contact information

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