

**IL-5 (PN0187) Nb-FC recombinant antibody**

<b>Catalog No :</b>	YA0632
<b>Reactivity :</b>	Human
<b>Applications :</b>	ELISA
<b>Target :</b>	IL-5
<b>Gene Name :</b>	IL5
<b>Protein Name :</b>	Interleukin-5 (IL-5) (B-cell differentiation factor I) (Eosinophil differentiation factor) (T-cell replacing factor) (TRF)
<b>Human Gene Id :</b>	3567
<b>Human Swiss Prot No :</b>	P05113
<b>Immunogen :</b>	Purified recombinant Human IL-5
<b>Specificity :</b>	This recombinant monoclonal antibody can detects endogenous levels of IL-5 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>Cell Pathway :</b>	Cytokine-cytokine receptor interaction;Jak_STAT;Hematopoietic cell lineage;T_Cell_Receptor;Fc epsilon RI;Intestinal immune network for IgA production;Asthma;Autoimmune thyroid disease;Allograft reject

**Background :**

This gene encodes a cytokine that acts as a growth and differentiation factor for both B cells and eosinophils. The encoded cytokine plays a major role in the regulation of eosinophil formation, maturation, recruitment and survival. The increased production of This cytokine may be related to pathogenesis of eosinophil-dependent inflammatory diseases. This cytokine functions by binding to its receptor, which is a heterodimer, whose beta subunit is shared with the receptors for interleukin 3 (IL3) and colony stimulating factor 2 (CSF2/GM-CSF). This gene is located on chromosome 5 within a cytokine gene cluster which includes interleukin 4 (IL4), interleukin 13 (IL13), and CSF2 . This gene, IL4, and IL13 may be regulated coordinately by long-range regulatory elements spread over 120 kilobases on chromosome 5q31. [provided by RefSeq, Jul 2013]

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**Function :**

Factor that induces terminal differentiation of late-developing B-cells to immunoglobulin secreting cells.,online information:Interleukin-5 entry,similarity:Belongs to the IL-5 family.,subunit:Homodimer; disulfide-linked.,

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**Subcellular Location :**

Secreted.

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## Products Images