

IL-5 (PN0182) Nb-FC recombinant antibody

Catalog No :	YA0627
Reactivity :	Human
Applications :	ELISA
Target :	IL-5
Gene Name :	IL5
Protein Name :	Interleukin-5 (IL-5) (B-cell differentiation factor I) (Eosinophil differentiation factor) (T-cell replacing factor) (TRF)
Human Gene Id :	3567
Human Swiss Prot No :	P05113
Immunogen :	Purified recombinant Human IL-5
Specificity :	This recombinant monoclonal antibody can detects endogenous levels of IL-5 protein.
Formulation :	Phosphate-buffered solution
Source :	Camel, chimeric fusion of Nanobody (VHH) and mouse IgG1 Fc domain , recombinantly produced from 293F cell
Dilution :	ELISA 1:5000-100000
Purification :	Recombinant Expression and Affinity purified
Concentration :	Please check the information on the tube
Storage Stability :	-15°C to -25°C/1 year(Avoid freeze / thaw cycles)
Cell Pathway :	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]

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.,

Subcellular Location :

Secreted.

Products Images

