



Anti-IL21 (aa 40-68) polyclonal antibody (CPBT-65654GH)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview

Goat anti Human Interleukin-21 antibody recognizes human interleukin-21, also known as IL-21 or Za11. IL-21 is a , a 155 amino acid pro-cytokine, reduced to 133 amino acids in the secreted mature form. IL-21 is a potent immunoregulatory cytokine and member of the IL-15/IL-21 family, expressed and secreted by activated CD4+ T cells. Two potential isoforms are generated by alternative splicing and differing in sequence at the C-terminus (UniProt: Q9HBE4). Goat anti Human interleukin-21 antibody recognizes an epitope within the N-terminal (NT) region of human interleukin-21 (IL-21) and is expected to bind both isoforms. IL-21 enhances the proliferation/differentiation of stimulated B-cells, the proliferation of bone marrow progenitor cells, and increases the activity of NK cells and disease-specific CD8+ T-cells. IL-21 signals through binding to the specific type I cytokine receptor IL-21R, coupled with the common cytokine receptor gamma chain (gc), initiating the activation of the JAK/STAT signalling pathway. Goat anti Human Interleukin-21 antibody is suitable for use in immunocytochemistry on human spleen or tonsil cells. ELISA may be used for the detection of human IL-21.

Specificity	IL21
Immunogen	Synthetic peptide C-RQLDIVDQLKNYVNDLVPEFLPAPEDVE corresponding to amino acids 40-68 within the N-terminal region of human IL-21.
Isotype	IgG
Source/Host	Goat
Species Reactivity	Human
Conjugate	Unconjugated
Applications	ELISA
Format	Purified IgG - liquid

Size	50 µg
Preservative	0.1% Sodium Azide
Storage	in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

GENE INFORMATION

Gene Name	IL21 interleukin 21 [Homo sapiens (human)]
Official Symbol	IL21
Synonyms	IL21; interleukin 21; Za11; IL-21; CVID11; interleukin-21; interleukin-21 isoform;
Entrez Gene ID	59067
Protein Refseq	NP_001193935
Chromosome Location	4q26-q27
Pathway	Cytokine-cytokine receptor interaction; Inflammatory bowel disease (IBD); Jak-STAT signaling pathway;
Function	cytokine activity; cytokine receptor binding; interleukin-2 receptor binding;