



Anti-IL5 (aa 20-134) polyclonal antibody (DPAB-DC1699)

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

PRODUCT INFORMATION

Antigen Description	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 interleukine 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.
Immunogen	IL5 (NP_000870, 20 a.a. ~ 134 a.a) partial recombinant protein with GST tag. The sequence is IPTEIPTSALVKETLALLSTHRTLLIANETLRIPVPVHKNHQLCTEEIFQGIGTLESQTV QGGTVERLFLKNLSLIKYIDGQKKCGEERRRVNQFLDYLQEFLGVMNTEWIIES
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	IL5 interleukin 5 [Homo sapiens (human)]
Official Symbol	IL5
Synonyms	IL5; interleukin 5; EDF; TRF; IL-5; interleukin-5; T-cell replacing factor; B-cell differentiation factor I; eosinophil differentiation factor; colony-stimulating factor, eosinophil;
Entrez Gene ID	3567
Protein Refseq	NP_000870
UniProt ID	P05113
Chromosome Location	5q31.1
Pathway	Allograft Rejection; Allograft rejection; Asthma; Autoimmune thyroid disease
Function	cytokine activity; growth factor activity; interleukin-5 receptor binding; protein binding