



Anti-IL13 (aa 35-146) polyclonal antibody (DPAB-DC1710)

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

PRODUCT INFORMATION

Antigen Description	This gene encodes an immunoregulatory cytokine produced primarily by activated Th2 cells. This cytokine is involved in several stages of B-cell maturation and differentiation. It up-regulates CD23 and MHC class II expression, and promotes IgE isotype switching of B cells. This cytokine down-regulates macrophage activity, thereby inhibits the production of pro-inflammatory cytokines and chemokines. This cytokine is found to be critical to the pathogenesis of allergen-induced asthma but operates through mechanisms independent of IgE and eosinophils. This gene, IL3, IL5, IL4, and CSF2 form a cytokine gene cluster on chromosome 5q, with this gene particularly close to IL4.
Immunogen	IL13 (NP_002179, 35 a.a. ~ 146 a.a) partial recombinant protein with GST tag. The sequence is GPVPPSTALRELIEELVNITQNQKAPLCNGSMVWSINLTAGMYCAALESLINVSGCSAIE KTQRMLSGFCPHKVSAGQFSSLHVRDTKIEVAQFVKDLLLHLKKLFREGQFN
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	IL13 interleukin 13 [Homo sapiens (human)]
Official Symbol	IL13
Synonyms	IL13; interleukin 13; P600; IL-13; interleukin-13;
Entrez Gene ID	3596
Protein Refseq	NP_002179
UniProt ID	P35225
Chromosome Location	5q31
Pathway	Asthma; Cytokine-cytokine receptor interaction; Cytokines and Inflammatory Response; Fc epsilon RI signaling pathway
Function	cytokine activity; interleukin-13 receptor binding; protein binding;