



Anti-IL4 (aa 63-153) polyclonal antibody (DPAB-DC1697)

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

PRODUCT INFORMATION

Antigen Description	The protein encoded by this gene is a pleiotropic cytokine produced by activated T cells. This cytokine is a ligand for interleukin 4 receptor. The interleukin 4 receptor also binds to IL13, which may contribute to many overlapping functions of this cytokine and IL13. STAT6, a signal transducer and activator of transcription, has been shown to play a central role in mediating the immune regulatory signal of this cytokine. This gene, IL3, IL5, IL13, and CSF2 form a cytokine gene cluster on chromosome 5q, with this gene particularly close to IL13. This gene, IL13 and IL5 are found to be regulated coordinately by several long-range regulatory elements in an over 120 kilobase range on the chromosome. Two alternatively spliced transcript variants of this gene encoding distinct isoforms have been reported.
Immunogen	IL4 (NP_000580, 63 a.a. ~ 153 a.a) partial recombinant protein with GST tag. The sequence is TTEKETFCRAATVLRQFYSHHEKDTRCLGATAQQFHRHKQLIRFLKRLDRNLWGLAGLNS CPVKEANQSTLENFLERLKTIMREKYSKCSS
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	IL4 interleukin 4 [Homo sapiens (human)]
Official Symbol	IL4
Synonyms	IL4; interleukin 4; BSF1; IL-4; BCGF1; BSF-1; BCGF-1; interleukin-4; binetrakin; pitrakinra; B cell growth factor 1; interleukin 4 variant 2; B_cell stimulatory factor 1; lymphocyte stimulatory factor 1;
Entrez Gene ID	3565
Protein Refseq	NP_000580
UniProt ID	D4HNR6
Chromosome Location	5q31.1
Pathway	Allograft Rejection; Allograft rejection; Asthma; Autoimmune thyroid disease
Function	cytokine activity; growth factor activity; interleukin-4 receptor binding; protein binding