



Anti-IL12B (aa 229-328) polyclonal antibody (DPAB-DC1709)

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

PRODUCT INFORMATION

Antigen Description	This gene encodes a subunit of interleukin 12, a cytokine that acts on T and natural killer cells, and has a broad array of biological activities. Interleukin 12 is a disulfide-linked heterodimer composed of the 40 kD cytokine receptor like subunit encoded by this gene, and a 35 kD subunit encoded by IL12A. This cytokine is expressed by activated macrophages that serve as an essential inducer of Th1 cells development. This cytokine has been found to be important for sustaining a sufficient number of memory/effector Th1 cells to mediate long-term protection to an intracellular pathogen. Overexpression of this gene was observed in the central nervous system of patients with multiple sclerosis (MS), suggesting a role of this cytokine in the pathogenesis of the disease. The promoter polymorphism of this gene has been reported to be associated with the severity of atopic and non-atopic asthma in children.
Immunogen	IL12B (NP_002178, 229 a.a. ~ 328 a.a) partial recombinant protein with GST tag. The sequence is IRDIIKPDPPKLNQLKPLKNSRQVEVSWEYPDTWSTPHSYFSLTFCVQVQGKSKREKKDR VFTDKTSATVICRKNASISVRAQDRYYSSSWSEWASVPCS
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Tissue lysate), 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	IL12B interleukin 12B [Homo sapiens (human)]
Official Symbol	IL12B
Synonyms	IL12B; interleukin 12B; CLMF; NKSF; CLMF2; NKSF2; IL-12B; interleukin-12 subunit beta; CLMF p40; IL-12 subunit p40; IL12, subunit p40; interleukin 12, p40; interleukin-12 beta chain; NK cell stimulatory factor chain 2; cytotoxic lymphocyte maturation factor 40 kDa subunit; natural killer cell stimulatory factor, 40 kD subunit; interleukin 12B (natural killer cell stimulatory factor 2, cytotoxic lymphocyte maturation factor 2, p40);
Entrez Gene ID	3593
Protein Refseq	NP_002178
UniProt ID	P29460
Chromosome Location	5q31.1-q33.1
Pathway	African trypanosomiasis; Allograft Rejection; Allograft rejection; Amoebiasis
Function	contributes_to cytokine activity; cytokine receptor activity; contributes_to growth factor activity; identical protein binding