



Anti-IL17D polyclonal antibody [Biotin] (DPABY-685)

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

PRODUCT INFORMATION

Antigen Description	The IL-17 family is comprised of at least six proinflammatory cytokines that share a conserved cysteine-knot structure but diverge at the N-terminus. IL-17 family members are glycoproteins secreted as dimers that induce local cytokine production and recruit granulocytes to sites of inflammation. IL-17 is induced by IL-15 and IL-23, mainly in activated CD4+ T cells distinct from Th1 or Th2 cells. IL-17F is the most homologous to IL-17, but is induced only by IL-23 in activated monocytes. IL-17B binds the IL-17B receptor, but not the IL-17 receptor; it is most homologous with IL-17D, which is expressed by resting CD4+ T cells and CD19+ B cells. IL-17E is mainly produced by Th2 cells and recruits eosinophils to lung tissue. IL-17C has a very restricted expression pattern but has been detected in adult prostate and fetal kidney libraries.
Specificity	Detects human IL-17D in ELISAs and Western blots. In sandwich immunoassays, approximately 6% cross-reactivity with recombinant mouse (rm)IL-17D is observed and less than 0.02% cross-reactivity with recombinant human (rh)IL-17, rhIL-17B, rhIL-17C, rhIL-17E, rhIL-17F, rmIL-17, and rmIL-17C is observed.
Immunogen	E. coli-derived recombinant human IL-17D. Ala18-Ser112 Accession Number Q8TAD2.1
Isotype	IgG
Source/Host	Goat
Species Reactivity	Human
Purification	Antigen Affinity-purified
Conjugate	Biotin
Applications	Western Blot, ELISA Detection (Matched Pair)
Format	Liquid

Size	50 µg
Buffer	Lyophilized from a 0.2 µm filtered solution in phosphate-buffered saline (PBS) containing 50 µg of bovine serum albumin (BSA) per 1 µg of antibody.
Preservative	None
Storage	Lyophilized samples are stable for twelve months from date of receipt when stored at -20 °C to -70 °C. Upon reconstitution, the antibody can be stored at 2 °C to - 8 °C for 1 month without detectable loss of activity. Reconstituted antibody can also be aliquotted and stored frozen at - 20 °C to -70 °C in a manual defrost freezer for six months without detectable loss of activity. Avoid repeated freeze-thaw cycles.

GENE INFORMATION

Gene Name	IL17D interleukin 17D [Homo sapiens (human)]
Official Symbol	IL17D
Synonyms	IL17D; interleukin 17D; IL27; IL-27; IL-17D; interleukin-17D; interleukin 27;
Entrez Gene ID	53342
Protein Refseq	NP_612141
UniProt ID	Q8TAD2
Chromosome Location	13q11
Pathway	IL17 signaling pathway;
Function	cytokine activity;