



Anti-IL17B polyclonal antibody [Biotin] (DPABY-554)

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 mouse IL-17B in ELISAs and Western blots. In sandwich immunoassays, approximately 40% cross-reactivity with recombinant human IL-17B is observed and less than 0.3% cross-reactivity with recombinant mouse (rm)IL-17, rmIL-17C, rmIL-17D, rmIL-17E, and rmIL-17F is observed.
Immunogen	E. coli-derived recombinant mouse IL-17B. His21-Phe180 Accession Number Q9QXT6
Isotype	IgG
Source/Host	Goat
Species Reactivity	Mouse
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	IL17b interleukin 17B [Mus musculus (house mouse)]
Official Symbol	IL17B
Synonyms	IL17B; interleukin 17B; Zcyto7; 1110006O16Rik; 1700006N07Rik; interleukin-17B; IL-17B; cytokine CX1; cytokine-like protein ZCYTO7; gene for cytokine-like protein; neuronal interleukin-17-related factor;
Entrez Gene ID	56069
Protein Refseq	NP_062381
UniProt ID	Q9QXT6
Chromosome Location	18; 18 D3
Pathway	Cytokine-cytokine receptor interaction;
Function	cytokine activity; receptor binding;