



# Anti-IL17B polyclonal antibody (DPABY-332)

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

## PRODUCT INFORMATION

<b>Antigen Description</b>	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.
<b>Specificity</b>	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.
<b>Immunogen</b>	E. coli-derived recombinant mouse IL-17B. His21-Phe180 Accession Number Q9QXT6
<b>Isotype</b>	IgG
<b>Source/Host</b>	Goat
<b>Species Reactivity</b>	Mouse
<b>Purification</b>	Antigen Affinity-purified
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	Western Blot, ELISA Capture (Matched Pair), Intracellular Staining by Flow Cytometry, Blockade of Receptor-ligand Interaction
<b>Format</b>	Liquid

<b>Size</b>	100 µg
<b>Buffer</b>	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose.
<b>Preservative</b>	None
<b>Storage</b>	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 °C as supplied. 1 month, 2 to 8 °C under sterile conditions after reconstitution. 6 months, -20 to -70 °C under sterile conditions after reconstitution.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">Il17b interleukin 17B [ Mus musculus (house mouse) ]</a>
<b>Official Symbol</b>	IL17B
<b>Synonyms</b>	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;
<b>Entrez Gene ID</b>	<a href="#">56069</a>
<b>Protein Refseq</b>	<a href="#">NP_062381</a>
<b>UniProt ID</b>	<a href="#">Q9QXT6</a>
<b>Chromosome Location</b>	18; 18 D3
<b>Pathway</b>	Cytokine-cytokine receptor interaction;
<b>Function</b>	cytokine activity; receptor binding;