



# Anti-IL17F polyclonal antibody (DPABY-289)

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-17F in ELISAs and Western blots. In sandwich immunoassays, less than 0.1% cross-reactivity with recombinant human IL-17F, recombinant mouse (rm) IL-17, rmlL-17B, rmlL-17C, rmlL-17D, and rmlL-17E is observed.
<b>Immunogen</b>	E. coli-derived recombinant mouse IL-17F . Arg29-Ala153 Accession Number NP_665855
<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, Immunocytochemistry, ELISA Capture (Matched Pair)
<b>Format</b>	Liquid
<b>Size</b>	100 µg
<b>Buffer</b>	Lyophilized from a 0.2 µm filtered solution in phosphate-buffered saline (PBS) with 5%

trehalose.

<b>Preservative</b>	None
<b>Storage</b>	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

<b>Gene Name</b>	<a href="#">Il17f interleukin 17F [ Mus musculus (house mouse) ]</a>
<b>Official Symbol</b>	IL17F
<b>Synonyms</b>	IL17F; interleukin 17F; C87042; IL-17F; interleukin-17F;
<b>Entrez Gene ID</b>	<a href="#">257630</a>
<b>Protein Refseq</b>	<a href="#">NP_665855</a>
<b>UniProt ID</b>	<a href="#">Q7TNI7</a>
<b>Chromosome Location</b>	1 A4; 1
<b>Pathway</b>	Inflammatory bowel disease (IBD);
<b>Function</b>	cytokine activity; cytokine binding; cytokine receptor binding; protein homodimerization activity;