



Anti-IL17F polyclonal antibody [Biotin] (DPABY-495)

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-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, rmlIL-17B, rmlIL-17C, rmlIL-17D, and rmlIL-17E is observed.
Immunogen	E. coli-derived recombinant mouse IL-17F . Arg29-Ala153 Accession Number NP_665855
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 PBS with BSA as a carrier protein.
Preservative	None
Storage	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

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