



Anti-IL17F polyclonal antibody (DPABY-276)

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-17F in ELISAs and Western blots. In sandwich immunoassays, less than 1% cross-reactivity recombinant human (rh) IL-17, rhIL-17B, rhIL-17C, rhIL-17D, rhIL-17E, and recombinant mouse IL-17F is observed.
Immunogen	E. coli-derived recombinant human IL-17F . Arg31-Gln163 Accession Number AAK83350
Isotype	IgG
Source/Host	Goat
Species Reactivity	Human
Purification	Antigen Affinity-purified
Conjugate	Unconjugated
Applications	Western Blot, Immunocytochemistry, ELISA Capture (Matched Pair)
Format	Liquid
Size	100 µg
Buffer	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for

details.

Preservative	See individual product datasheet
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 from date of receipt, 2 to 8 °C, reconstituted. 6 months from date of receipt, -20 to -70 °C, reconstituted

GENE INFORMATION

Gene Name	IL17F interleukin 17F [Homo sapiens (human)]
Official Symbol	IL17F
Synonyms	IL17F; interleukin 17F; ML1; ML-1; CANDF6; IL-17F; interleukin-17F; cytokine ML-1;
Entrez Gene ID	112744
Protein Refseq	NP_443104
UniProt ID	Q96PD4
Chromosome Location	6p12
Pathway	IL17 signaling pathway; IL23-mediated signaling events; Inflammatory bowel disease (IBD);
Function	cytokine activity; cytokine binding; cytokine receptor binding; protein homodimerization activity;