



# Anti-IL11 polyclonal antibody [Biotin] (DPABY-419)

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

## PRODUCT INFORMATION

<b>Antigen Description</b>	Interleukin 11 (IL-11), also known as adipogenesis inhibitory factor (AGIF), has multiple effects on both hematopoietic and nonhematopoietic cells. Many of the biological effects described for IL-11 overlap those for IL-6. IL-11 exerts its biological activities through binding to a specific high-affinity receptor complex consisting of an IL-11 receptor chain and gp130.
<b>Specificity</b>	Detects mouse IL-11 in ELISAs and Western blots. In sandwich immunoassays, less than 0.3% cross-reactivity with recombinant human (rh) IL-11, rmCT-1, rrCNTF, rmG-CSF, rmIL-6, rmLIF, and rmOSM is observed.
<b>Immunogen</b>	E. coli-derived recombinant mouse IL-11 . Gly23-Leu199 Accession Number P47873
<b>Isotype</b>	IgG
<b>Source/Host</b>	Goat
<b>Species Reactivity</b>	Mouse
<b>Purification</b>	Antigen Affinity-purified
<b>Conjugate</b>	Biotin
<b>Applications</b>	Western Blot, ELISA Detection (Matched Pair)
<b>Format</b>	Liquid
<b>Size</b>	50 µg
<b>Buffer</b>	Lyophilized from a 0.2 µm filtered solution in PBS with BSA as a carrier protein.
<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="#">Il11 interleukin 11 [ Mus musculus (house mouse) ]</a>
<b>Official Symbol</b>	IL11
<b>Synonyms</b>	IL11; interleukin 11; IL-11; interleukin-11;
<b>Entrez Gene ID</b>	<a href="#">16156</a>
<b>Protein Refseq</b>	<a href="#">NP_001277352</a>
<b>UniProt ID</b>	<a href="#">F7A7F2</a>
<b>Chromosome Location</b>	7 A1; 7 2.76 cM
<b>Pathway</b>	Cytokine-cytokine receptor interaction; Cytokines and Inflammatory Response (BioCarta); Hematopoietic cell lineage; Jak-STAT signaling pathway; Rheumatoid arthritis;
<b>Function</b>	cytokine activity; growth factor activity; interleukin-11 receptor binding;