



Anti-IL31 polyclonal antibody [Biotin] (DPABY-390)

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

PRODUCT INFORMATION

Antigen Description	Interleukin 31 (IL-31) is a secreted, T-cell-derived, 24-kDa, short-chain member of the alpha-helical family of cytokines. The mature region is 141 amino acids (aa) in length and exhibits four alpha-helices. Human and mouse IL-31 are highly divergent at 24% aa sequence identity. The receptor for IL-31 is found on keratinocytes and monocytes. It is a heterodimer composed of the Oncostatin M receptor and a novel gp130-related molecule. IL-31 may be involved in pruritis, or skin itching.
Specificity	Detects human IL-31 in ELISAs and Western blots. In sandwich immunoassays, less than 1% cross-reactivity with recombinant mouse IL-31 is observed.
Immunogen	E. coli-derived recombinant human IL-31 . Ser24-Thr164 Accession Number NP_001014358
Isotype	IgG
Source/Host	Goat
Species Reactivity	Human
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	IL31 interleukin 31 [Homo sapiens (human)]
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Official Symbol	IL31
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Synonyms	IL31; interleukin 31; IL-31; interleukin-31;
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Entrez Gene ID	386653
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Protein Refseq	NP_001014358
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UniProt ID	Q6EBC2
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Chromosome Location	12q24.31
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Function	cytokine activity;
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