



Anti-IL31 polyclonal antibody (DPABY-275)

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 humanIL-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 Q6EBC2
Isotype	IgG
Source/Host	Goat
Species Reactivity	Human
Purification	Antigen Affinity-purified
Conjugate	Unconjugated
Applications	Western Blot, Immunocytochemistry, ELISA Capture (Matched Pair), Neutralization
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, 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)]
Official Symbol	IL31
Synonyms	IL31; interleukin 31; IL-31; interleukin-31;
Entrez Gene ID	386653
Protein Refseq	NP_001014358
UniProt ID	Q6EBC2
Chromosome Location	12q24.31
Function	cytokine activity;