

Datasheet for ABIN5690429
anti-IL-31 antibody (Biotin)



[Go to Product page](#)

Overview

Quantity:	0.05 mg
Target:	IL-31 (IL31)
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This IL-31 antibody is conjugated to Biotin
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	Produced from sera of rabbits pre-immunized with highly pure (>98%) recombinant hIL-31. Human IL-31 specific antibody was purified by affinity chromatography and then biotinylated.
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Target Details

Target:	IL-31 (IL31)
Alternative Name:	IL-31 (IL31 Products)
Background:	Interleukin 31 (IL-31) is a recently discovered T-cell cytokine closely related to IL-6 type cytokines and is preferentially produced by T helper type 2 cells. IL-31 activity is mediated through the ligand-induced oligomerization of a dimeric receptor complex containing IL-31 receptor A and oncostatin M receptor. In response to IL-31 binding, these proteins activate the JAK/STAT and the AKT signaling pathways. RNA levels of IL-31 receptor A and oncostatin M receptor are induced in activated monocytes but are expressed constitutively in epithelial cells. IL-31, when overexpressed in transgenic mice, results in the development of pruritis, alopecia

Target Details

and skin lesions, and in humans may result in atopic dermatitis, suggesting that IL-31 may represent a novel target for antipruritic drug development.

Gene ID: 386653

UniProt: [Q6EBC2](#)

Application Details

Application Notes:	ELISA:
	Direct:
	To detect hIL-31 by direct ELISA (using 100 µL/well antibody solution) a concentration of 0.25 - 1.0 µg/mL of this antibody is required. This biotinylated polyclonal antibody, in conjunction with compatible secondary reagents, allows the detection of at least 0.2 - 0.4 ng/well of recombinant hIL-31.
	Sandwich
	To detect hIL-31 by sandwich ELISA (using 100 µL/well antibody solution) a concentration of 0.25 - 1.0 µg/mL of this antibody is required. This biotinylated polyclonal antibody, in conjunction with our polyclonal Anti-Human IL-31 as a capture antibody, allows the detection of at least 0.2 - 0.4 ng/well of recombinant hIL-31.
	Western Blot:
	To detect hIL-31 by Western Blot analysis this antibody can be used at a concentration of 0.1 - 0.2 µg/mL. Used in conjunction with compatible secondary reagents the detection limit for recombinant hIL-31 is 1.5 - 3.0 ng/lane, under either reducing or non-reducing conditions.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Storage:	-20 °C
Storage Comment:	IL-31 antibody is stable for at least 2 years from date of receipt at -20°C. The reconstituted antibody is stable for at least two weeks at 2-8°C. Frozen aliquots are stable for at least 6 months when stored at -20°C. Avoid repeated freeze-thaw cycles.