

Datasheet for ABIN181693 **anti-IL-31 antibody (Biotin)**

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Overview

Quantity:	50 µg
Target:	IL-31 (IL31)
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This IL-31 antibody is conjugated to Biotin
Application:	Western Blotting (WB), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	Highly pure (> 98 %) recombinant human IL-31
Specificity:	This antibody detects Interleukin-31.
Purification:	Affinity chromatography

Target Details

Target:	IL-31 (IL31)
Alternative Name:	Interleukin-31 / IL31 (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

Target Details

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

Gene ID: 386653

NCBI Accession: [NP_001014358](#)

UniProt: [Q6EBC2](#)

Application Details

Application Notes: ELISA: Direct: To detect hIL-31 (using 100 µL/well antibody solution) a concentration of 0.25 - 1.0 µg/mL of this antibody is required. In conjunction with compatible secondary reagents, it allows the detection of at least 0.2 - 0.4 ng/well of recombinant hIL-31. Sandwich: To detect hIL-31 (using 100 µL/well antibody solution) a concentration of 0.25 - 1.0 µg/mL of this antibody is required. In conjunction with Polyclonal Anti-Human IL-31 as a capture antibody, it allows the detection of at least 0.2 - 0.4 ng/well of recombinant hIL-31. Western blot: To detect hIL-31 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. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Restrictions: For Research Use only

Handling

Reconstitution: Centrifuge vial prior to opening. Restore in sterile PBS containing 0.1 % BSA to a concentration of 0.1 - 1.0 mg/mL.

Buffer: PBS, pH 7.2

Handling Advice: Avoid repeated freezing and thawing.

Storage: -20 °C

Storage Comment: Store the lyophilized antibody at -20 °C. Following reconstitution it is stable for two weeks at 2 - 8 °C. Frozen aliquots are stable for 6 months when stored at -20 °C.

Expiry Date: 6 months