

Product datasheet for **AM31281AF-N**

IL31 Mouse Monoclonal Antibody [Clone ID: B-A51]

Product data:

Product Type:	Primary Antibodies
Clone Name:	B-A51
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2b
Clonality:	Monoclonal
Immunogen:	Recombinant human IL-31
Specificity:	This antibody recognises recombinant IL-31.
Formulation:	Phosphate-buffered saline. Sterile-filtered through 0.22 µm. Carrier and preservative free State: Azide Free State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Ion exchange chromatography
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C.
Stability:	Shelf life: one year from despatch.
Gene Name:	interleukin 31
Database Link:	Entrez Gene 386653 Human Q6EBC2



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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 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

Protein Families:

Secreted Protein, Transmembrane