

Mouse anti-Human IL-31 Monoclonal Antibody | anti-IL31 antibody

Mouse Anti-Human IL-31-BIOT

CATALOG # AAA78625	HOST Mouse	REACTIVITY Human	APPLICATIONS ELISA
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PRODUCT SYNONYMS

IL-31; Monoclonal Antibody; Mouse Anti-Human IL-31-BIOT; Mouse anti-Human Interleukin-31 (IL-31); anti-IL31 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2b
Clone Number	SB118b1
Specificity	Reacts with native and recombinant human IL-311
Form/Format	Biotin (BIOT) Conjugate
Applicable Applications for anti-IL31 antibody	ELISA
Immunogen	Recombinant human IL-31
Characterization	To ensure acceptable performance, each batch of product is tested by ELISA to conform to characteristics of a standard reference reagent.
Preparation and Storage	The biotin (BIOT) conjugate is supplied as 0.5mg labeled antibody in 0.2mL of PBS/NaN3. Store at 2-8 degree C.

IMAGES



ELISA

Standard curve generated with Mouse Anti-Human IL-31-UNLB and Mouse Anti-Human IL-31-BIOT (AAA78625 Clone # SB118b)

ADDITIONAL INFORMATION

Related Product Information for anti-IL31 antibody

Description: Interleukin-31 (IL-31) is a 24kD alpha-helical protein and a member of the IL-6 family of cytokines that is preferentially expressed by CD4+ T cells (2). This cytokine elicits its response by binding to a heterodimeric complex consisting of a gp130-like receptor chain and the oncostatin M receptor subunit. On target cells which include a broad range of immune and non-immune cells, IL-31 binding can induce activation of the Jak/STAT, AKT and MAPK signaling pathways. Due to the ubiquitous expression of its receptor complex, IL-31 has numerous physiological roles that include regulating hematopoiesis and immune response (3,4). Over-expression has been linked chronic inflammatory states such as dermatitis, pruritus, airway hypersensitivity and inflammatory bowel disease5-7.

References	1) Zhang, Q. et al. (2008). Cyto. Grow. Rev. 19:347-56. 3) Broxmeyer, H.E. et al. (2007). Exp. Hematol. 35:78-86. 4) Perrigoue, J.G. et al. (2007). J. Exp. Med. 204:481-7. 5) Sonkoly, E. et al. (2006). J. All. Clin. Immunol. 117:411-7. 6) Dillon, S.R. et al. (2004). Nat. Immunol. 5:752-60. 7) Dambacher, J. et al. (2007). Gut. 56:1257-65.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	62122911
NCBI GeneID	386653
NCBI Accession #	NP_001014358.1
NCBI GenBank Nucleotide #	NM_001014336.1
UniProt Accession #	Q6EBC2; A2RUQ1
NCBI Official Full Name	interleukin-31
NCBI Official Synonym Full Names	interleukin 31
NCBI Official Symbol	IL31
NCBI Official Synonym Symbols	IL-31
NCBI Protein Information	interleukin-31
UniProt Protein Name	Interleukin-31
UniProt Gene Name	IL31
UniProt Synonym Gene Names	IL-31
UniProt Entry Name	IL31_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/il-31-antibody-clone-sb118b1-elisa/78625>