

ARG82318 Canine IL31 ELISA Kit

Package: 96 wells
Store at: 4°C

Summary

Product Description	ARG2318 Canine IL31 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Canine IL31 in serum and plasma.
Tested Reactivity	Dog
Tested Application	ELISA
Specificity	Not react with following recombinant canine proteins: Adiponectin, ApoAI, BMP1, BMP2, BMP3, BMP4, BMP5, BMP7, CCL2, CCL4, CCL5, CRP, HSP27, HGF, IL1 beta, IL1RA, IL2, IL4, IL5, IL6, sIL6R, IL8, IL10, IL12, IL15, IL17C, IL21, IL23, IFN gamma, MMP2, MMP9, IL2R, PDGF, serpin E1, TGF beta 1, TGF beta 2, TGF beta 3, TLR1, TLR2, TLR3, TLR9, TNF alpha, TNF RI, TNF RII, VEGF, VEGF R1.
Target Name	IL31
Conjugation	HRP
Conjugation Note	Read at 450 nm.
Sensitivity	31 pg/ml
Sample Type	Serum and plasma.
Standard Range	62 - 4000 pg/ml
Sample Volume	100 µl
Precision	Intra-Assay CV: 7% Inter-Assay CV: 10%
Alternate Names	IL-31; Interleukin-31

Application Instructions

Assay Time	~ 3 hours
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Properties

Form	96 well
Storage instruction	Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	IL31
Gene Full Name	interleukin 31
Background	IL31, which is made principally by activated Th2-type T cells, interacts with a heterodimeric receptor consisting of IL31RA (MIM 609510) and OSMR (MIM 601743) that is constitutively expressed on

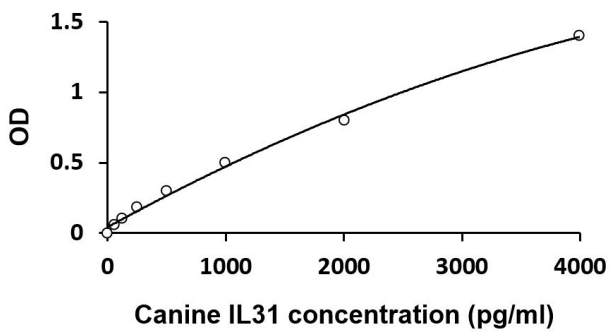
epithelial cells and keratinocytes. IL31 may be involved in the promotion of allergic skin disorders and in regulating other allergic diseases, such as asthma (Dillon et al., 2004 [PubMed 15184896]).[supplied by OMIM, Mar 2008]

Function Activates STAT3 and possibly STAT1 and STAT5 through the IL31 heterodimeric receptor composed of IL31RA and OSMR. IL31 may function in skin immunity. [UniProt]

Highlight Related products:
[IL31 antibodies](#); [IL31 ELISA Kits](#); [IL31 recombinant proteins](#);
New ELISA data calculation tool:
[Simplify the ELISA analysis by GainData](#)

Cellular Localization Secreted. [UniProt]

Images



ARG82318 Canine IL31 ELISA Kit standard curve image

ARG82318 Canine IL31 ELISA Kit results of a typical standard run with optical density reading at 450 nm.