

ARG82991 Mouse IL4 ELISA Kit

Package: 96 wells
Store at: 4°C or -20°C
(depending on the
component)

Summary

Product Description	ARG82991 Mouse IL4 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Mouse IL4 in Serum, Plasma, Cell culture supernatants.
Tested Reactivity	Ms
Tested Application	ELISA
Target Name	IL4
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm
Sensitivity	3.9 pg/ml
Sample Type	Serum, Plasma, Cell culture supernatants
Standard Range	7.8 - 500 pg/ml
Sample Volume	50 µl
Alternate Names	BSF-1; IL-4; B-cell stimulatory factor 1; BCGF1; Lymphocyte stimulatory factor 1; BCGF-1; Interleukin-4; Pitracinra; Binetrakin; BSF1

Application Instructions

Assay Time	4.5 hours
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Properties

Form	96 well
Storage instruction	Store components at 4°C or -20°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	IL4
Gene Full Name	interleukin 4
Background	IL4 is a pleiotropic cytokine produced by activated T cells, mast cells and basophils. It is a ligand for interleukin 4 receptor. The interleukin 4 receptor also binds to IL13, which may contribute to many overlapping functions of this cytokine and IL13. IL4 elicits many different biological responses, but has two dominant functions. The first is regulating differentiation of naive CD4+ T cell to the Th2 type. Th2 cells produce IL4, IL5, IL10 and IL13, which tend to favor a humoral immune response while suppressing a cell mediated immune response controlled by Th1 cells. STAT6, a signal transducer and activator of transcription, has been shown to play a central role in mediating the immune regulatory signal of this

cytokine. The second is regulating IgE and IgG1 production by B cells. Two alternatively spliced transcript variants of this gene encoding distinct isoforms have been reported.

Highlight

Related products:

[IL4 antibodies](#); [IL4 ELISA Kits](#); [IL4 recombinant proteins](#);

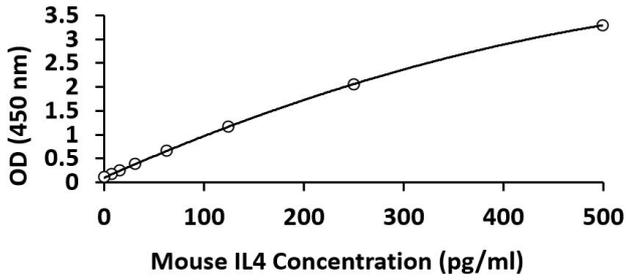
New ELISA data calculation tool:

[Simplify the ELISA analysis by GainData](#)

Research Area

Cancer kit; Immune System kit

Images



ARG82991 Mouse IL4 ELISA Kit standard curve image

ARG82991 Mouse IL4 ELISA Kit results of a typical standard run with optical density reading at 450 nm.
