

ARG81774 Rat IL13 ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG81774-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG81774-002	Standard	2 X 10 ng/vial	4°C
ARG81774-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG81774-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG81774-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG81774-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG81774-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG81774-008	25X Wash buffer	20 ml	4°C
ARG81774-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG81774-010	STOP solution	10 ml (Ready to use)	4°C
ARG81774-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG81774 Rat IL13 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Rat IL13 in serum, plasma (heparin, EDTA) and cell culture supernatants.
Tested Reactivity	Rat
Tested Application	ELISA
Specificity	There is no detectable cross-reactivity with other relevant proteins.
Target Name	IL13
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	7.8 pg/ml
Sample Type	Serum, plasma (heparin, EDTA) and cell culture supernatants.
Standard Range	15.6 - 1000 pg/ml
Sample Volume	100 µl

Precision	Intra-Assay CV: 6.3%; Inter-Assay CV: 7.8%
Alternate Names	Interleukin-13; P600; IL-13

Application Instructions

Assay Time	~ 5 hours
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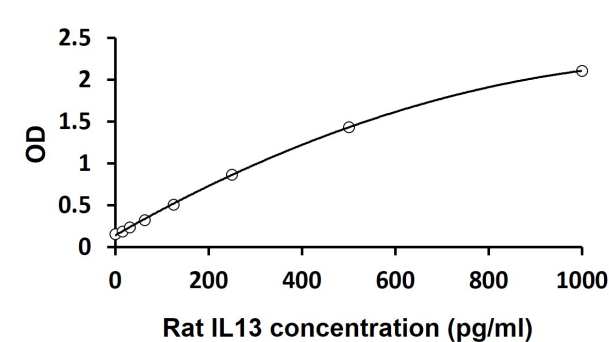
Properties

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	IL13
Gene Full Name	interleukin 13
Background	This gene encodes an immunoregulatory cytokine produced primarily by activated Th2 cells. This cytokine is involved in several stages of B-cell maturation and differentiation. It up-regulates CD23 and MHC class II expression, and promotes IgE isotype switching of B cells. This cytokine down-regulates macrophage activity, thereby inhibits the production of pro-inflammatory cytokines and chemokines. This cytokine is found to be critical to the pathogenesis of allergen-induced asthma but operates through mechanisms independent of IgE and eosinophils. This gene, IL3, IL5, IL4, and CSF2 form a cytokine gene cluster on chromosome 5q, with this gene particularly close to IL4. [provided by RefSeq, Jul 2008]
Function	Cytokine. Inhibits inflammatory cytokine production. Synergizes with IL2 in regulating interferon-gamma synthesis. May be critical in regulating inflammatory and immune responses. [UniProt]
Highlight	Related products: IL13 antibodies ; IL13 ELISA Kits ; IL13 recombinant proteins ; New ELISA data calculation tool: Simplify the ELISA analysis by GainData

Images



ARG81774 Rat IL13 ELISA Kit standard curve image

ARG81774 Rat IL13 ELISA Kit results of a typical standard run with optical density reading at 450 nm.