

ARG81888 Rat IL3 ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG81888-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG81888-002	Standard	2 X 10 ng/vial	4°C
ARG81888-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG81888-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG81888-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG81888-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG81888-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG81888-008	25X Wash buffer	20 ml	4°C
ARG81888-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG81888-010	STOP solution	10 ml (Ready to use)	4°C
ARG81888-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG81888 Rat IL3 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Rat IL3 in serum and cell culture supernatants.
Tested Reactivity	Rat
Tested Application	ELISA
Specificity	There is no detectable cross-reactivity with other relevant proteins.
Target Name	IL3
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	3.9 pg/ml
Sample Type	Serum and cell culture supernatants.
Standard Range	7.8 - 500 pg/ml
Sample Volume	100 µl

Precision	Intra-Assay CV: 5.8%; Inter-Assay CV: 6.3%
Alternate Names	MCGF; Mast cell growth factor; P-cell-stimulating factor; Hematopoietic growth factor; IL-3; Interleukin-3; Multipotential colony-stimulating factor; MULTI-CSF

Application Instructions

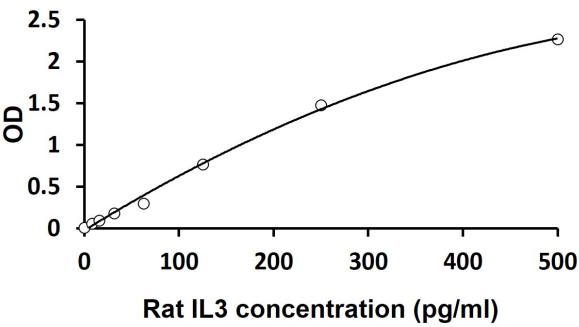
Assay Time	~ 5 hours
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Properties

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	IL3
Gene Full Name	interleukin 3
Background	The protein encoded by this gene is a potent growth promoting cytokine. This cytokine is capable of supporting the proliferation of a broad range of hematopoietic cell types. It is involved in a variety of cell activities such as cell growth, differentiation and apoptosis. This cytokine has been shown to also possess neurotrophic activity, and it may be associated with neurologic disorders. [provided by RefSeq, Jul 2008]
Function	Granulocyte/macrophage colony-stimulating factors are cytokines that act in hematopoiesis by controlling the production, differentiation, and function of 2 related white cell populations of the blood, the granulocytes and the monocytes-macrophages. This CSF induces granulocytes, macrophages, mast cells, stem cells, erythroid cells, eosinophils and megakaryocytes. [UniProt]
Highlight	Related products: IL3 antibodies ; IL3 ELISA Kits ; IL3 recombinant proteins ; New ELISA data calculation tool: Simplify the ELISA analysis by GainData



ARG81888 Rat IL3 ELISA Kit standard curve image

ARG81888 Rat IL3 ELISA Kit results of a typical standard run with optical density reading at 450 nm.