

ARG80233 Rat IL6 ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG80233-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG80233-002	Standard (Lyophilized)	3 X 1.8 ng/vial	4°C
ARG80233-003	Standard diluent buffer	20 ml	4°C
ARG80233-004	Antibody conjugate concentrate	400 µl	4°C
ARG80233-005	Antibody diluent buffer	16 ml	4°C
ARG80233-006	HRP-Streptavidin concentrate	400 µl	4°C (Protect from light)
ARG80233-007	HRP-Streptavidin diluent buffer	16 ml	4°C
ARG80233-008	20X Wash buffer	50 ml	4°C
ARG80233-009	TMB substrate	12ml	4°C (Protect from light)
ARG80233-010	STOP solution	12ml	4°C
ARG80233-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG80233 Rat IL6 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Rat IL6 in Serum, Plasma, Cell culture supernatants.
Tested Reactivity	Rat
Tested Application	ELISA
Specificity	No significant cross-reactivity or interference with Human IL-6, rat CTNF, mouse CT-1, IL-3, porcine IL-6
Target Name	IL6
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm
Sensitivity	30 pg/ml
Sample Type	Serum, Plasma, Cell culture supernatants
Standard Range	62.5 - 4000 pg/ml
Sample Volume	100 µl

Precision	CV: less than 10%
Alternate Names	B-cell stimulatory factor 2; CDF; HSF; BSF-2; Interferon beta-2; IL-6; IFNB2; CTL differentiation factor; Interleukin-6; HGF; Hybridoma growth factor; BSF2; IFN-beta-2

Application Instructions

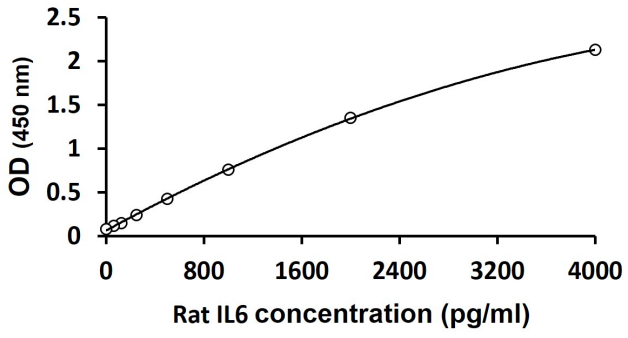
Assay Time	4 hours
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Properties

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

Database links	GeneID: 24498 Rat Swiss-port # P20607 Rat
Gene Symbol	IL6
Gene Full Name	interleukin 6
Background	This gene encodes a cytokine that functions in inflammation and the maturation of B cells. The protein is primarily produced at sites of acute and chronic inflammation, where it is secreted into the serum and induces a transcriptional inflammatory response through interleukin 6 receptor, alpha. The functioning of this gene is implicated in a wide variety of inflammation-associated disease states, including susceptibility to diabetes mellitus and systemic juvenile rheumatoid arthritis. [provided by RefSeq]
Highlight	<p>Related products: IL6 antibodies; IL6 ELISA Kits; IL6 recombinant proteins;</p> <p>Related news: HMGB1 in inflammation Inflammatory Cytokines</p> <p>New ELISA data calculation tool: Simplify the ELISA analysis by GainData</p>
Research Area	Cancer kit; Immune System kit; Metabolism kit; Neuroscience kit
PTM	N- and O-glycosylated.



ARG80233 Rat IL6 ELISA Kit standard curve image

ARG80233 Rat IL6 ELISA Kit results of a typical standard run with optical density reading at 450 nm.
