

## ARG80224 Mouse IGF1 ELISA Kit

Package: 96 wells  
Store at: 4°C

### Component

Cat. No.	Component Name	Package	Temp
ARG80224-001	Antibody-coated microplate	8 X 12 strips	4°C
ARG80224-002	Standard (Lyophilized)	3 X 10 ng/vial	4°C
ARG80224-003	Standard diluent buffer	20 ml	4°C
ARG80224-004	Antibody conjugate concentrate	400 µl	4°C
ARG80224-005	Antibody diluent buffer	16 ml	4°C
ARG80224-006	HRP-Streptavidin concentrate	400 µl	4°C (Protect from light)
ARG80224-007	HRP-Streptavidin diluent buffer	16 ml	4°C
ARG80224-008	20X Wash buffer	50 ml	4°C
ARG80224-009	TMB substrate	12ml	4°C (Protect from light)
ARG80224-010	STOP solution	12ml	4°C
ARG80224-011	Plate sealer	4 strips	Room temperature

### Summary

Product Description	ARG80224 Mouse IGF1 ELISA Kit is a Enzyme Immunoassay kit for the quantification of Mouse IGF1 in Serum, Plasma, Cell culture supernatants
Tested Reactivity	Ms
Tested Application	ELISA
Specificity	No significant cross-reactivity or interference with Mouse IGFBP-2, IGFBP-6, IGFBP-5, IGF-I
Target Name	IGF1
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm
Sensitivity	31.25 pg/ml
Sample Type	Serum, Plasma, Cell culture supernatants
Standard Range	62.5 - 4000 pg/ml
Sample Volume	100 µl
Precision	CV: less than10%

Alternate Names

MGF; Insulin-like growth factor I; Mechano growth factor; Somatomedin-C; IGFI; IGF-I

### Application Instructions

Assay Time 4 hours

### 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: 16000 Mouse](#)

[Swiss-port # P05017 Mouse](#)

Gene Symbol Igf1

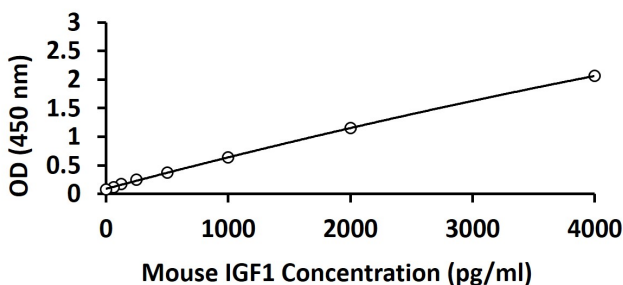
Gene Full Name insulin-like growth factor 1

Background The protein encoded by this gene is similar to insulin in function and structure and is a member of a family of proteins involved in mediating growth and development. The encoded protein is processed from a precursor, bound by a specific receptor, and secreted. Defects in this gene are a cause of insulin-like growth factor I deficiency. Several transcript variants encoding different isoforms have been found for this gene.[provided by RefSeq, Mar 2009]

Highlight Related products: [IGF1 antibodies](#); [IGF1 ELISA Kits](#); [IGF1 Duos / Panels](#); [IGF1 recombinant proteins](#);  
New ELISA data calculation tool: [Simplify the ELISA analysis by GainData](#)

Research Area Cancer kit; Developmental Biology kit; Signaling Transduction kit

### Images



ARG80224 Mouse IGF1 ELISA Kit standard curve image

ARG80224 Mouse IGF1 ELISA Kit results of a typical standard run with optical density reading at 450 nm.