

ARG81653 Mouse IGFBP1 ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG81653-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG81653-002	Standard	2 X 10 ng/vial	4°C
ARG81653-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG81653-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG81653-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG81653-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG81653-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG81653-008	25X Wash buffer	20 ml	4°C
ARG81653-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG81653-010	STOP solution	10 ml (Ready to use)	4°C
ARG81653-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG81653 Mouse IGFBP1 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Mouse IGFBP1 in serum, plasma (heparin, EDTA) and cell culture supernatants.
Tested Reactivity	Ms
Tested Application	ELISA
Specificity	There is no detectable cross-reactivity with other relevant proteins.
Target Name	IGFBP1
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	15.6 pg/ml
Sample Type	Serum, plasma (heparin, EDTA) and cell culture supernatants.
Standard Range	31.2 - 2000 pg/ml
Sample Volume	100 µl

Precision	Intra-Assay CV: 5.8%; Inter-Assay CV: 6.9%
Alternate Names	IBP-1; IBP1; PP12; IGF-BP25; Insulin-like growth factor-binding protein 1; hIGFBP-1; IGFBP-1; Placental protein 12; AFBP; IGF-binding protein 1

Application Instructions

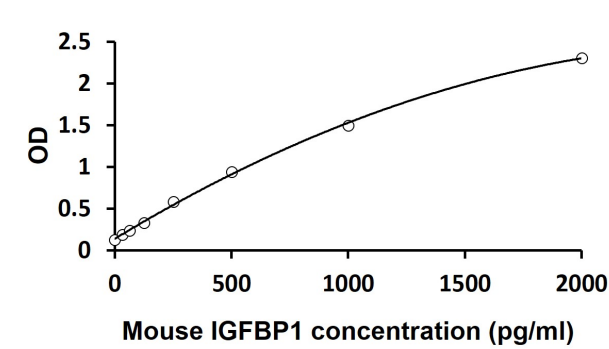
Assay Time	~ 5 hours
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Properties

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	IGFBP1
Gene Full Name	insulin-like growth factor binding protein 1
Background	This gene is a member of the insulin-like growth factor binding protein (IGFBP) family and encodes a protein with an IGFBP domain and a thyroglobulin type-I domain. The protein binds both insulin-like growth factors (IGFs) I and II and circulates in the plasma. Binding of this protein prolongs the half-life of the IGFs and alters their interaction with cell surface receptors. [provided by RefSeq, Jul 2008]
Function	IGF-binding proteins prolong the half-life of the IGFs and have been shown to either inhibit or stimulate the growth promoting effects of the IGFs on cell culture. They alter the interaction of IGFs with their cell surface receptors. Promotes cell migration. [UniProt]
Highlight	Related products: IGFBP1 antibodies ; IGFBP1 ELISA Kits ; Related news: Detecting MMPs and their non-ECM substrates New ELISA data calculation tool: Simplify the ELISA analysis by GainData
PTM	Phosphorylated; probably by casein kinase II. Phosphorylation alters the affinity of the protein for IGFs. In amniotic fluid, the unmodified protein is the most abundant form, while mono-, bi-, tri- and tetraphosphorylated forms are present in decreasing amounts. The phosphorylation state may influence the propensity to proteolysis. [UniProt]



ARG81653 Mouse IGFBP1 ELISA Kit standard curve image

ARG81653 Mouse IGFBP1 ELISA Kit results of a typical standard run with optical density reading at 450 nm.