

ARG83146 Mouse IGFBP3 ELISA Kit

Package: 96 wells
Store at: 4°C

Summary

Product Description	ARG83146 Mouse IGFBP3 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Mouse IGFBP3 in Serum, Cell culture supernatants.
Tested Reactivity	Ms
Tested Application	ELISA
Specificity	There is no detectable cross-reactivity with other relevant proteins.
Target Name	IGFBP3
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	15 pg/ml
Detection Range	156 pg/ml - 10,000 pg/ml
Sample Type	Serum and Cell culture supernatants.
Precision	Intra-Assay CV: 3.34% Inter-Assay CV: 3.1%
Alternate Names	IBP3; BP-53; IGF-binding protein 3; IGFBP-3

Application Instructions

Assay Time	~ 5 hours
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Properties

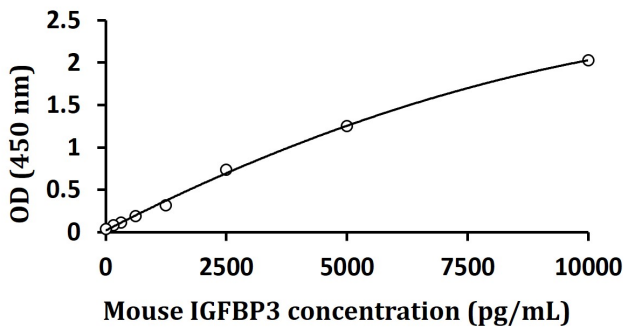
Form	96 well
Storage instruction	Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	IGFBP3
Gene Full Name	Insulin Like Growth Factor Binding Protein 3
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 forms a ternary complex with insulin-like growth factor acid-labile subunit (IGFALS) and either insulin-like growth factor (IGF) I or II. In this form, it circulates in the plasma, prolonging the half-life of IGFs and altering their interaction with cell surface receptors. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. [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. Also exhibits IGF-independent antiproliferative and apoptotic effects mediated by its receptor TMEM219/IGFBP-3R. [UniProt]
Research Area	Cell Biology and Cellular Response kit; Cell Death kit; Metabolism kit; Signaling Transduction kit
PTM	Phosphorylated by FAM20C in the extracellular medium.

Images



ARG83146 Mouse IGFBP3 ELISA Kit standard curve image

ARG83146 Mouse IGFBP3 ELISA Kit results of a typical standard run with optical density reading at 450 nm.
