

ARG83145 Human IGFBP2 ELISA Kit

Package: 96 wells
Store at: 4°C

Summary

Product Description	ARG83145 Human IGFBP2 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human IGFBP2 in Serum, Urine, Plasma, Cell culture supernatants.
Tested Reactivity	Hu
Tested Application	ELISA
Specificity	There is no detectable cross-reactivity with other relevant proteins.
Target Name	IGFBP2
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	15 pg/ml
Detection Range	62.5 pg/ml - 4,000 pg/ml
Sample Type	Serum, Urine, Plasma and Cell culture supernatants.
Sample Volume	100 µl
Precision	Intra-Assay CV: 6.0% Inter-Assay CV: 7.5%
Alternate Names	IBP2; IGF-BP53; IGF-binding protein 2; IGFBP-2

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.

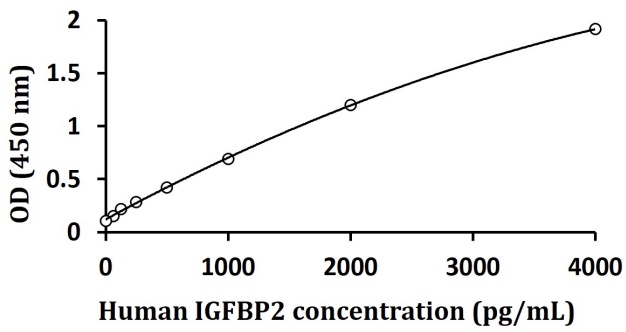
Bioinformation

Gene Symbol	IGFBP2
Gene Full Name	Insulin Like Growth Factor Binding Protein 2
Background	The protein encoded by this gene is one of six similar proteins that bind insulin-like growth factors I and II (IGF-I and IGF-II). The encoded protein can be secreted into the bloodstream, where it binds IGF-I and IGF-II with high affinity, or it can remain intracellular, interacting with many different ligands. High expression levels of this protein promote the growth of several types of tumors and may be predictive of the chances of recovery of the patient. Several transcript variants, one encoding a secreted isoform

and the others encoding nonsecreted isoforms, have been found for this gene.

Function	Inhibits IGF-mediated growth and developmental rates. 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.
PTM	O-glycosylated.
Cellular Localization	Secreted.

Images



ARG83145 Human IGFBP2 ELISA Kit standard curve image

ARG83145 Human IGFBP2 ELISA Kit results of a typical standard run with optical density reading at 450 nm.