

## ARG81411 Human IGFBP4 ELISA Kit

Package: 96 wells  
Store at: 4°C

### Component

Cat. No.	Component Name	Package	Temp
ARG81411-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG81411-002	Standard	2 X 32 ng/vial	4°C
ARG81411-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG81411-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG81411-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG81411-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG81411-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG81411-008	25X Wash buffer	20 ml	4°C
ARG81411-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG81411-010	STOP solution	10 ml (Ready to use)	4°C
ARG81411-011	Plate sealer	4 strips	Room temperature

### Summary

Product Description	ARG81411 Human IGFBP4 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human IGFBP4 in serum, plasma (heparin, EDTA) and cell culture supernatants.
Tested Reactivity	Hu
Tested Application	ELISA
Specificity	There is no detectable cross-reactivity with other relevant proteins.
Target Name	IGFBP4
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	250 pg/ml
Sample Type	Serum, plasma (heparin, EDTA) and cell culture supernatants.
Standard Range	500 - 32000 pg/ml
Sample Volume	100 µl

Precision	Intra-Assay CV: 5.2% Inter-Assay CV: 6.9%
Alternate Names	IBP4; IBP-4; IGFBP-4; Insulin-like growth factor-binding protein 4; HT29-IGFBP; IGF-binding protein 4; BP-4

## Application Instructions

Assay Time	~ 5 hours
------------	-----------

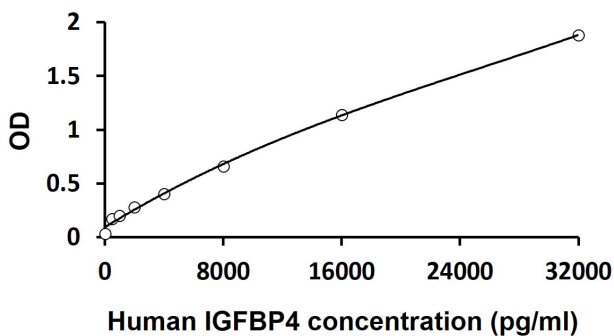
## Properties

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

Gene Symbol	IGFBP4
Gene Full Name	insulin-like growth factor binding protein 4
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 in both glycosylated and non-glycosylated forms. 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. [UniProt]
Highlight	Related products: <a href="#">IGFBP antibodies</a> ; <a href="#">IGFBP ELISA Kits</a> ; <a href="#">IGFBP Duos / Panels</a> ; New ELISA data calculation tool: <a href="#">Simplify the ELISA analysis by GainData</a>

## Images



ARG81411 Human IGFBP4 ELISA Kit standard curve image

ARG81411 Human IGFBP4 ELISA Kit results of a typical standard run with optical density reading at 450 nm.