

ARG81498 Human IGFBP7 ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG81498-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG81498-002	Standard	2 X 40 ng/vial	4°C
ARG81498-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG81498-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG81498-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG81498-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG81498-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG81498-008	25X Wash buffer	20 ml	4°C
ARG81498-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG81498-010	STOP solution	10 ml (Ready to use)	4°C
ARG81498-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG81498 Human IGFBP7 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human IGFBP7 in serum, plasma (heparin, EDTA), urine and cell culture supernatants.
Tested Reactivity	Hu
Tested Application	ELISA
Specificity	There is no detectable cross-reactivity with other relevant proteins.
Target Name	IGFBP7
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	312.5 pg/ml
Sample Type	Serum, plasma (heparin, EDTA), urine and cell culture supernatants.
Standard Range	625 - 40000 pg/ml
Sample Volume	100 µl

Precision	Intra-Assay CV: 7.2% Inter-Assay CV: 7.8%
Alternate Names	AGM; RAMSVPS; IBP-7; PSF; IGFBP-7; FSTL2; Tumor-derived adhesion factor; Insulin-like growth factor-binding protein 7; IGFBRP1; TAF; MAC25; PGI2-stimulating factor; IGFBP-rP1; IGF-binding protein 7; IGFBP-7v; MAC25 protein; Prostacyclin-stimulating factor

Application Instructions

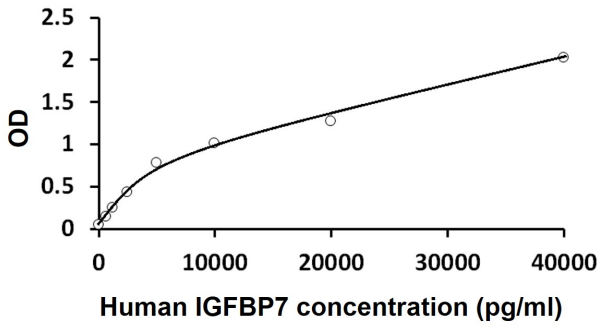
Assay Time	~ 5 hours
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Properties

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	IGFBP7
Gene Full Name	insulin-like growth factor binding protein 7
Background	This gene encodes a member of the insulin-like growth factor (IGF)-binding protein (IGFBP) family. IGFBPs bind IGFs with high affinity, and regulate IGF availability in body fluids and tissues and modulate IGF binding to its receptors. This protein binds IGF-I and IGF-II with relatively low affinity, and belongs to a subfamily of low-affinity IGFBPs. It also stimulates prostacyclin production and cell adhesion. Alternatively spliced transcript variants encoding different isoforms have been described for this gene, and one variant has been associated with retinal arterial macroaneurysm (PMID:21835307). [provided by RefSeq, Dec 2011]
Function	Binds IGF-I and IGF-II with a relatively low affinity. Stimulates prostacyclin (PGI2) production. Stimulates cell adhesion. [UniProt]
Highlight	Related products: IGFBP antibodies ; IGFBP ELISA Kits ; IGFBP Duos / Panels ; New ELISA data calculation tool: Simplify the ELISA analysis by GainData
PTM	N-glycosylated. [UniProt]



ARG81498 Human IGFBP7 ELISA Kit standard curve image

ARG81498 Human IGFBP7 ELISA Kit results of a typical standard run with optical density reading at 450 nm.