

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

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|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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 |

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| 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

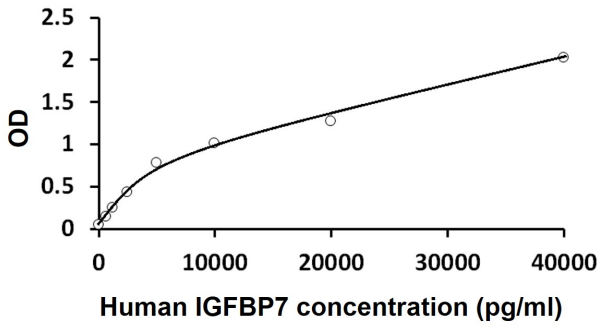
| | |
|------------|-----------|
| Assay Time | ~ 5 hours |
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Properties

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|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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

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| 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.