

ARG81544 Human IL18 binding protein ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG81544-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG81544-002	Standard	2 X 10 ng/vial	4°C
ARG81544-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG81544-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG81544-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG81544-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG81544-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG81544-008	25X Wash buffer	20 ml	4°C
ARG81544-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG81544-010	STOP solution	10 ml (Ready to use)	4°C
ARG81544-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG81544 Human IL18 binding protein ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human IL18 binding protein 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	IL18 binding protein
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	46.85 pg/ml
Sample Type	Serum, plasma (heparin, EDTA), urine and cell culture supernatants.
Standard Range	93.7 - 6000 pg/ml
Sample Volume	100 µl

Precision	Intra-Assay CV: 5.4% Inter-Assay CV: 6.7%
Alternate Names	IL18BP α ; Tadekinig- α ; IL-18BP; Interleukin-18-binding protein

Application Instructions

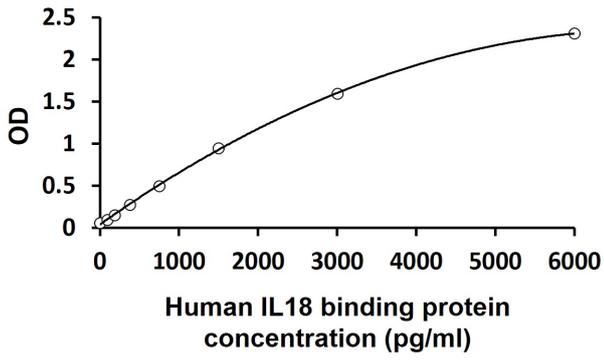
Assay Time	~ 5 hours
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Properties

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	IL18BP
Gene Full Name	interleukin 18 binding protein
Background	The protein encoded by this gene functions as an inhibitor of the proinflammatory cytokine, IL18. It binds IL18, prevents the binding of IL18 to its receptor, and thus inhibits IL18-induced IFN- γ production, resulting in reduced T-helper type 1 immune responses. This protein is constitutively expressed and secreted in mononuclear cells. Elevated level of this protein is detected in the intestinal tissues of patients with Crohn's disease. Alternatively spliced transcript variants encoding different isoforms have been described for this gene. [provided by RefSeq, Feb 2011]
Function	Isoform A binds to IL-18 and inhibits its activity. Functions as an inhibitor of the early TH1 cytokine response. [UniProt]
Highlight	Related products: IL18 binding protein antibodies ; IL18 binding protein ELISA Kits ; New ELISA data calculation tool: Simplify the ELISA analysis by GainData
PTM	N- and O-glycosylated. O-glycosylated with core 1-like and core 2-like glycans. O-glycan heterogeneity at Ser-53: HexHexNAc (major) and Hex2HexNAc2 (minor). N-glycan heterogeneity at Asn-103: Hex5HexNAc4 (minor), dHex1Hex5HexNAc4 (major) and Hex6HexNAc5 (minor); N-glycan at Asn-147: dHex1Hex5HexNAc4. [UniProt]



ARG81544 Human IL18 binding protein ELISA Kit standard curve image

ARG81544 Human IL18 binding protein ELISA Kit results of a typical standard run with optical density reading at 450 nm.