

ARG81450 Human AHSG ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG81450-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG81450-002	Standard	2 X 50 ng/vial	4°C
ARG81450-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG81450-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG81450-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG81450-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG81450-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG81450-008	25X Wash buffer	20 ml	4°C
ARG81450-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG81450-010	STOP solution	10 ml (Ready to use)	4°C
ARG81450-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG81450 Human AHSG ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human AHSG 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	AHSG
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	0.39 ng/ml
Sample Type	Serum, plasma (heparin, EDTA) and cell culture supernatants.
Standard Range	0.78 - 50 ng/ml
Sample Volume	100 µl

Precision	Intra-Assay CV: 5.2% Inter-Assay CV: 6.2%
Alternate Names	A2HS; Alpha-2-HS-glycoprotein; HSGA; Ba-alpha-2-glycoprotein; AHS; FETUA; Alpha-2-Z-globulin; Fetuin-A

Application Instructions

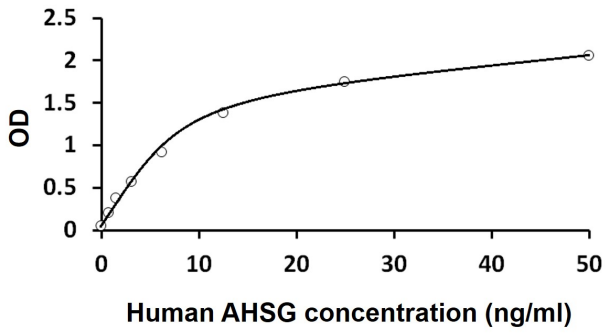
Assay Time	~ 5 hours
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Properties

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	AHSG
Gene Full Name	alpha-2-HS-glycoprotein
Background	Alpha2-HS glycoprotein (AHSG), a glycoprotein present in the serum, is synthesized by hepatocytes. The AHSG molecule consists of two polypeptide chains, which are both cleaved from a proprotein encoded from a single mRNA. It is involved in several functions, such as endocytosis, brain development and the formation of bone tissue. The protein is commonly present in the cortical plate of the immature cerebral cortex and bone marrow hemopoietic matrix, and it has therefore been postulated that it participates in the development of the tissues. However, its exact significance is still obscure. [provided by RefSeq, Jul 2008]
Function	Promotes endocytosis, possesses opsonic properties and influences the mineral phase of bone. Shows affinity for calcium and barium ions. [UniProt]
Highlight	Related products: AHSG antibodies ; AHSG ELISA Kits ; New ELISA data calculation tool: Simplify the ELISA analysis by GainData
PTM	Phosphorylated by FAM20C in the extracellular medium. O- and N-glycosylated. O-glycosylated with core 1 or possibly core 8 glycans. N-glycan at Asn-156: Hex5HexNAc4; N-glycan heterogeneity at Asn-176: Hex5HexNAc4 (major) and Hex6HexNAc5 (minor). [UniProt]



ARG81450 Human AHSG ELISA Kit standard curve image

ARG81450 Human AHSG ELISA Kit results of a typical standard run with optical density reading at 450 nm.