

Human Fetuin A ELISA Kit | AHSG elisa kit

Human Fetuin A PicoKine ELISA Kit

CATALOG #
AAA45303

REACTIVITY
Human

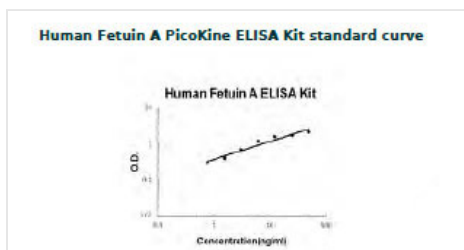
PRODUCT SYNONYMS

Fetuin A; Human Fetuin A PicoKine ELISA Kit; Alpha-2-HS-glycoprotein; alpha-2-HS-glycoprotein; A2HS; AHS; Ahsg; Alpha 2 HS glycoprotein; Alpha-2-HS-glycoprotein chain B; Alpha-2-Z-globulin; Ba-alpha-2-glycoprotein; FETUA; FETUA_HUMAN; Fetuin-A; HSGA; AHSG elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant Human AHSG
Sequence Length	367
Samples	Cell culture supernatants, cell lysates, serum and plasma (heparin, edta)
Detection Range	0.78 ng/ml - 50 ng/ml
Sensitivity	<10 pg/ml
Intra-assay Precision	Intra-Assay Precision (Precision within an assay): Three samples of known concentration were tested on one plate to assess intra-assay precision.
Inter-assay Precision	Inter-Assay Precision (Precision across assays): Three samples of known concentration were tested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Shipped with wet ice.)

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for AHSG elisa kit	Principle of the Assay: The Picokine™ Human AHSG Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid-phase immunoassay specially designed to measure Human AHSG with a 96-well strip plate that is pre-coated with antibody specific for AHSG. The detection antibody is a biotinylated antibody specific for AHSG. The capture antibody is monoclonal antibody from mouse and the detection antibody is polyclonal antibody from goat. The kit contains recombinant Human AHSG with immunogen: Expression system for standard: NS0; Immunogen sequence: A19-V367. The kit is analytically validated with ready-to-use reagents. To measure Human AHSG, add standards and samples to the wells, then add the biotinylated detection antibody. Wash the wells with PBS or TBS buffer, and add Avidin-Biotin-Peroxidase Complex (ABC-HRP). Wash away the unbounded ABC-HRP with PBS or TBS buffer and add TMB. TMB is an HRP substrate and will be catalyzed to produce a blue color product, which changes into yellow after adding the acidic stop solution. The absorbance of the yellow product at 450nm is linearly proportional to Human AHSG in the sample. Read the absorbance of the yellow product in each well using a plate reader, and benchmark the sample wells' readings against the standard curve to determine the concentration of Human AHSG in the sample. Background/Introduction: Alpha2-HS glycoprotein (AHSG), also known as fetuin-A, is a plasma protein displaying high-affinity interaction with calcium phosphate, by which ectopic vascular calcification is prevented. The AHSG polymorphism is attributable to the hereditary variation of AHSG and phosphate serum levels, which may affect skeletal development and chronic disorders such as vascular calcification.¹Human plasma protein alpha 2-HSglycoprotein (AHSG) is composed of two polypeptide chains, A and B, encoded by a single mRNA. Southern blot analysis of mouse x human somatic cell hybrids has mapped the AHSG gene to human chromosome 3 in the region 3q21----qter. Using a recombinant plasmid containing a 1,538 bp insert spanning the entire AHSG coding region, AHSG was localized to chromosomal bands 3q27----q29 by in situ hybridization.²
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NCBI AND UNIPROT INFORMATION

NCBI GI #	112910
NCBI GeneID	197
UniProt Accession #	P02765; O14961; O14962; Q9P152; A8K9N6; B2R7G1; AAB29984
Molecular Weight	39,325 Da
NCBI Official Full Name	Alpha-2-HS-glycoprotein
NCBI Official Synonym Full Names	alpha-2-HS-glycoprotein
NCBI Official Symbol	AHSG
NCBI Official Synonym Symbols	AHS; A2HS; HSGA; FETUA
NCBI Protein Information	alpha-2-HS-glycoprotein; fetuin-A; alpha-2-Z-globulin; ba-alpha-2-glycoprotein
UniProt Protein Name	Alpha-2-HS-glycoprotein
UniProt Gene Name	AHSG
UniProt Synonym Gene Names	FETUA
UniProt Entry Name	FETUA_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.