

Human A1BG/alpha 1B-Glycoprotein ELISA Kit | A1BG elisa kit

Human A1BG/alpha 1B-Glycoprotein PicoKine ELISA Kit

CATALOG #
AAA11687

REACTIVITY
Human

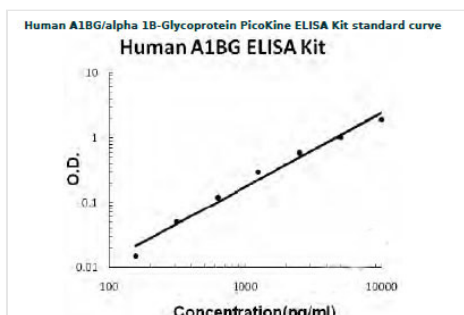
PRODUCT SYNONYMS

A1BG/alpha 1B-Glycoprotein; Human A1BG/alpha 1B-Glycoprotein PicoKine ELISA Kit; A1B; A1BG; ABG; GAB; HYST2477; P04217; Alpha-1B-glycoprotein; A1BG elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant Human A1BG
Sequence Length	495
Samples	Cell culture supernatants, cell lysates, serum and plasma (heparin, edta)
Detection Range	156 pg/ml - 10,000 pg/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.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for A1BG elisa kit	Principle of the Assay: The Picokine™ Human A1BG Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid-phase immunoassay specially designed to measure Human A1BG with a 96-well strip plate that is pre-coated with antibody specific for A1BG. The detection antibody is a biotinylated antibody specific for A1BG. The capture antibody is monoclonal antibody from mouse and the detection antibody is polyclonal antibody from goat. The kit contains recombinant Human A1BG with immunogen: Expression system for standard: NS0; Immunogen sequence: A22-S495. The kit is analytically validated with ready-to-use reagents. To measure Human A1BG, 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 A1BG 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 A1BG in the sample. Background/Introduction: Alpha-1-B glycoprotein is a 54.3 kDa protein in humans that is encoded by the A1BG gene. The protein encoded by this gene is a plasma glycoprotein of unknown function. The protein shows sequence similarity to the variable regions of some immunoglobulin supergene family member proteins. Patients who have pancreatic ductal adenocarcinoma show an overexpression of A1BG in pancreatic juice.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	21071030
NCBI GeneID	1
NCBI Accession #	NP_570602.2
NCBI GenBank Nucleotide #	NM_130786.3
UniProt Accession #	P04217; Q68CK0; Q8IYJ6; Q96P39; A8K052
Molecular Weight	40,718 Da
NCBI Official Full Name	alpha-1B-glycoprotein
NCBI Official Synonym Full Names	alpha-1-B glycoprotein
NCBI Official Symbol	A1BG
NCBI Official Synonym Symbols	A1B; ABG; GAB; HYST2477
NCBI Protein Information	alpha-1B-glycoprotein
UniProt Protein Name	Alpha-1B-glycoprotein
UniProt Gene Name	A1BG

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/a1bg-alpha-1b-glycoprotein/11687>