

Human ZAG/AZGP1 ELISA Kit | AZGP1 elisa kit

Human ZAG/AZGP1 ELISA Kit PicoKine

CATALOG # AAA126685	REACTIVITY Human	APPLICATIONS ELISA
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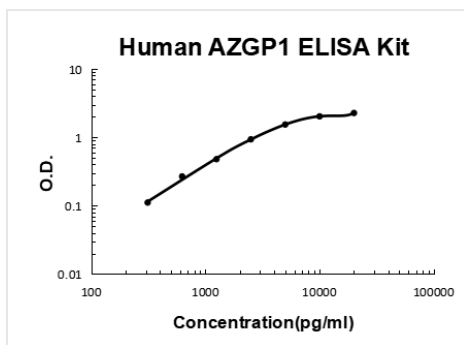
PRODUCT SYNONYMS

ZAG/AZGP1; Human ZAG/AZGP1 ELISA Kit PicoKine; Brain-derived neurotrophic factor; BDNF; Bdnf; alpha-2-glycoprotein 1; zinc-binding; AZGP1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant Human AZGP1
Samples	Cell culture supernatants, serum and plasma (heparin, EDTA)
Detection Range	312 pg/ml - 20,000 pg/ml
Sensitivity	<10 pg/ml
Applicable Applications for AZGP1 elisa kit	ELISA
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 (Ships with gel ice, can store for up to 3 days in room temperature. Freeze upon receiving.)

IMAGES



Standard Curve (Sample)

Human ZAG/AZGP1 PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for AZGP1 elisa kit	Background: Zinc-alpha-2-glycoprotein is a protein that in humans is encoded by the AZGP1 gene. Alpha-2-glycoprotein, also known as AZGP1, belongs to the MHC class I family. It can be detected in body fluids such as serum, sweat, and seminal and breast cyst fluids. It has been shown that alpha-2-glycoprotein can stimulate lipolysis by adipocytes in vivo and in vitro. Thus it is believed that alpha-2-glycoprotein plays an important role in the regulation of body weight, and age-dependent changes in genetically influenced obesity, and it also regulates melanin production by normal and malignant melanocytes. Alpha-2-glycoprotein is produced by both white and brown fat adipocytes and may act in a local autocrine fashion in the reduction of adiposity in cachexia. Principle of the Assay: The Picokine™ Human AZGP1 Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid-phase immunoassay specially designed to measure Human AZGP1 with a 96-well strip plate that is pre-coated with antibody specific for AZGP1. The detection antibody is a biotinylated antibody specific for AZGP1. The capture antibody is a polyclonal antibody from goat and the detection antibody is a biotinylated polyclonal antibody from goat. The kit includes Human AZGP1 protein as standards. To measure Human AZGP1, 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 AZGP1 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 AZGP1 in the sample.
Product Categories/Family for AZGP1 elisa kit	PicoKine ELISA Kits

NCBI AND UNIPROT INFORMATION

NCBI GI #	4502337
NCBI GeneID	563
NCBI Accession #	NP_001176.1
NCBI GenBank Nucleotide #	NM_001185.3
UniProt Accession #	P25311; O60386; Q5XKQ4; Q8N4N0; D6W5T8
Molecular Weight	34,259 Da
NCBI Official Full Name	zinc-alpha-2-glycoprotein
NCBI Official Synonym Full Names	alpha-2-glycoprotein 1, zinc-binding
NCBI Official Symbol	AZGP1
NCBI Official Synonym Symbols	ZAG; ZA2G
NCBI Protein Information	zinc-alpha-2-glycoprotein; zn-alpha-2-GP; Zn-alpha2-glycoprotein; zn-alpha-2-glycoprotein; Alpha-2-glycoprotein, zinc
UniProt Protein Name	Zinc-alpha-2-glycoprotein
UniProt Gene Name	AZGP1
UniProt Synonym Gene Names	ZAG; ZNGP1; Zn-alpha-2-GP
UniProt Entry Name	ZA2G_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.