

Human Anterior Gradient Protein 2 (AGR2) ELISA Kit | AGR2 elisa kit

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CATALOG #
AAA64190

REACTIVITY
Human

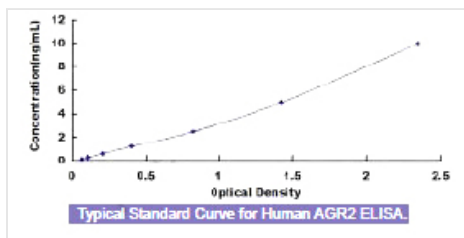
PRODUCT SYNONYMS

Anterior Gradient Protein 2 (AGR2); Human Anterior Gradient Protein 2 (AGR2) ELISA Kit; GOB4; HAG2; XAG2; AG2; PDIA17; HPC8; Protein Disulfide Isomerase Family A; Member 17; Secreted cement gland protein XAG-2 homolog; AGR2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of AGR2. No significant cross-reactivity or interference between AGR2 and analogues was observed.
Sequence Length	175
Samples	Serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	0.061ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level AGR2 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level AGR2 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for AGR2 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of AGR2 in human serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to AGR2. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to AGR2. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain AGR2, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of AGR2 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	5453541
NCBI GeneID	10551
NCBI Accession #	NP_006399.1
NCBI GenBank Nucleotide #	NM_006408.3
UniProt Accession #	O95994
Molecular Weight	19,979 Da
NCBI Official Full Name	anterior gradient protein 2 homolog
NCBI Official Synonym Full Names	anterior gradient 2, protein disulphide isomerase family member
NCBI Official Symbol	AGR2
NCBI Official Synonym Symbols	AG2; AG-2; HPC8; GOB-4; HAG-2; XAG-2; PDIA17; HEL-S-116
NCBI Protein Information	anterior gradient protein 2 homolog
UniProt Protein Name	Anterior gradient protein 2 homolog
UniProt Gene Name	AGR2
UniProt Synonym Gene Names	AG2; AG-2; hAG-2

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.