

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

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CATALOG #
AAA140045

REACTIVITY
Human

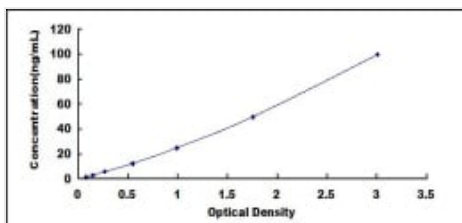
PRODUCT SYNONYMS

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 Anterior Gradient Protein 2 (AGR2). No significant cross-reactivity or interference between Anterior Gradient Protein 2 (AGR2) and analogues was observed.
Sequence Length	175
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue homogenates, Cell lysates, Cell culture supernates and other biological fluids
Detection Range	1.56-100ng/mL
Sensitivity	0.61ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Anterior Gradient Protein 2 (AGR2) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Anterior Gradient Protein 2 (AGR2) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for AGR2 elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Anterior Gradient Protein 2 (AGR2). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Anterior Gradient Protein 2 (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 Anterior Gradient Protein 2 (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 Anterior Gradient Protein 2 (AGR2) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for AGR2 elisa kit	Tumor immunity; Reproductive science; Bone metabolism

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; 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
UniProt Entry Name	AGR2_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.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/anterior-gradient-protein-2-agr2/140045>