

Human G protein-coupled bile acid receptor 1 ELISA Kit | GPBAR1 elisa kit

Human G protein-coupled bile acid receptor 1, GPBAR1 ELISA Kit

CATALOG #
AAA79568

REACTIVITY
Human

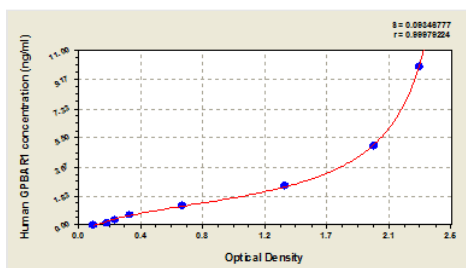
PRODUCT SYNONYMS

G protein-coupled bile acid receptor 1; Human G protein-coupled bile acid receptor 1; GPBAR1 ELISA Kit; Human G protein-coupled bile acid receptor 1 (GPBAR1) ELISA Kit; BG37; GPCR; GPCR19; GPR131; M-BAR; MGC40597; TGR5; G-protein coupled bile acid receptor BG37; membrane bile acid receptor; membrane-type receptor for bile acids; GPBAR1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Human GPBAR1. No significant cross-reactivity or interference between Human GPBAR1 and analogues was observed.
Sequence Length	330
Detection Range	0.156 ng/ml-10 ng/ml
Sensitivity	0.039 ng/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV% is less than 8% Three samples of known concentration were tested twenty times on one plate to assess. Inter-assay Precision (Precision between assays): CV% is less than 10% Three samples of known concentration were tested in twenty assays to assess.
Detection Wavelength	450 nm
Sample Volume	50-100ul
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GPBAR1 elisa kit	Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to GPBAR1. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated polyclonal antibody preparation specific for GPBAR1 and Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then a TMB (3,3',5,5' tetramethyl-benzidine) substrate solution is added to each well. Only those wells that contain GPBAR1, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The concentration of GPBAR1 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 #	116284384
NCBI GeneID	151306
NCBI Accession #	NP_001070659.1
NCBI GenBank Nucleotide #	NM_001077191.1
UniProt Accession #	Q8TDU6; B3KV35
Molecular Weight	35,248 Da
NCBI Official Full Name	G-protein coupled bile acid receptor 1
NCBI Official Synonym Full Names	G protein-coupled bile acid receptor 1
NCBI Official Symbol	GPBAR1
NCBI Official Synonym Symbols	BG37; TGR5; M-BAR; GPCR19; GPR131
NCBI Protein Information	G-protein coupled bile acid receptor 1; hBG37; hGPCR19; membrane bile acid receptor; G-protein coupled receptor GPCR19; membrane-type receptor for bile acids; G-protein coupled bile acid receptor BG37
UniProt Protein Name	G-protein coupled bile acid receptor 1
UniProt Gene Name	GPBAR1
UniProt Synonym Gene Names	TGR5; hGPCR19; M-BAR; BG37
UniProt Entry Name	GPBAR_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/gpbar1-human-elisa-kits/g-protein-coupled-bile-acid-receptor-1/79568>