

Human G Protein Coupled Receptor 109B (GPR109B) ELISA Kit | GPR109B elisa kit

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CATALOG #
AAA67400

REACTIVITY
Human

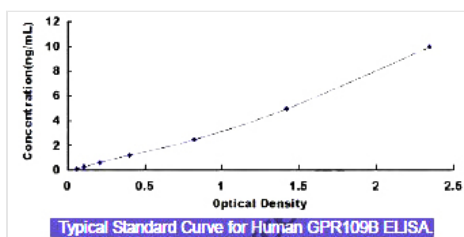
PRODUCT SYNONYMS

G Protein Coupled Receptor 109B (GPR109B); Human G Protein Coupled Receptor 109B (GPR109B) ELISA Kit; GPR109B elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of GPR109B. No significant cross-reactivity or interference between GPR109B and analogues was observed.
Sequence Length	387
Samples	Tissue homogenates, cell lysates 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 GPR109B 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 GPR109B 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 GPR109B elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of GPR109B in human tissue homogenates, cell lysates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to GPR109B. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to GPR109B. 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 GPR109B, 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 GPR109B 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 #	157738694
NCBI GeneID	8843
NCBI Accession #	NP_006009.2
NCBI GenBank Nucleotide #	NM_006018.2
UniProt Accession #	P49019; Q8NGE4; A8K4G5; B2R830; E9PI97
Molecular Weight	44,478 Da
NCBI Official Full Name	hydroxycarboxylic acid receptor 3
NCBI Official Synonym Full Names	hydroxycarboxylic acid receptor 3
NCBI Official Symbol	HCAR3
NCBI Official Synonym Symbols	HCA3; HM74; PUMAG; Puma-g; GPR109B
NCBI Protein Information	hydroxycarboxylic acid receptor 3
UniProt Protein Name	Hydroxycarboxylic acid receptor 3
UniProt Gene Name	HCAR3
UniProt Synonym Gene Names	GPR109B; HCA3; HM74B; NIACR2

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://www.aaabiotech.com/human-elisa-kits/g-protein-coupled-receptor-109b-gpr109b/67400>