

Human G Protein Coupled Receptor 78 (GPR78) ELISA Kit | GPR78 elisa kit

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CATALOG #
AAA65284

REACTIVITY
Human

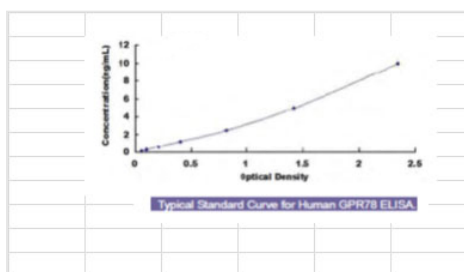
PRODUCT SYNONYMS

G Protein Coupled Receptor 78 (GPR78); Human G Protein Coupled Receptor 78 (GPR78) ELISA Kit; GPR78 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of GPR78. No significant cross-reactivity or interference between GPR78 and analogues was observed.
Sequence Length	363
Samples	Tissue homogenates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	0.059ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level GPR78 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 GPR78 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 GPR78 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of GPR78 in human tissue homogenates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to GPR78. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to GPR78. 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 GPR78, 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 GPR78 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 #	36951034
NCBI GeneID	27201
NCBI Accession #	NP_543009.2
NCBI GenBank Nucleotide #	NM_080819.4
UniProt Accession #	Q96P69; Q8NGV3
Molecular Weight	39,332 Da
NCBI Official Full Name	G-protein coupled receptor 78
NCBI Official Synonym Full Names	G protein-coupled receptor 78
NCBI Official Symbol	GPR78
NCBI Protein Information	G-protein coupled receptor 78
UniProt Protein Name	G-protein coupled receptor 78
UniProt Gene Name	GPR78

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.