

Monkey G protein-coupled receptor 40 ELISA Kit | GPR40 elisa kit

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CATALOG #
AAA95495

REACTIVITY
Monkey

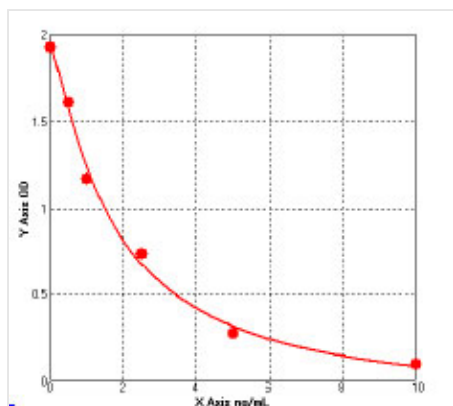
PRODUCT SYNONYMS

G protein-coupled receptor 40; Monkey G protein-coupled receptor 40 ELISA Kit; GPR40 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Monkey
Specificity	This assay has high sensitivity and excellent specificity for detection of GPR40. No significant cross-reactivity or interference between GPR40 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between GPR40 and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	0.1 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GPR40 elisa kit	Intended Uses: This GPR40 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Monkey GPR40. This ELISA kit for research use only! Principle of the Assay: GPR40 ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-GPR40 antibody and an GPR40-HRP conjugate. The assay sample and buffer are incubated together with GPR40-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the GPR40 concentration since GPR40 from samples and GPR40-HRP conjugate compete for the anti-GPR40 antibody binding site. Since the number of sites is limited, as more sites are occupied by GPR40 from the sample, fewer sites are left to bind GPR40-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The GPR40 concentration in each sample is interpolated from this standard curve.
Product Categories/Family for GPR40 elisa kit	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	22597182
NCBI GeneID	233081
Molecular Weight	31,804 Da
NCBI Official Full Name	GPR40
NCBI Official Synonym Full Names	free fatty acid receptor 1
NCBI Official Symbol	Ffar1
NCBI Official Synonym Symbols	Gpr40
NCBI Protein Information	free fatty acid receptor 1; G protein-coupled receptor 40; G-protein coupled receptor 40; G protein-coupled receptor GPR40
UniProt Protein Name	Free fatty acid receptor 1
UniProt Gene Name	Ffar1
UniProt Synonym Gene Names	Gpr40
UniProt Entry Name	FFAR1_MOUSE

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/gpr40-monkey-elisa-kits/g-protein-coupled-receptor-40/95495>