

Human GPR35 (G-protein coupled receptor 35) ELISA Kit | GPR35 elisa kit

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CATALOG #
AAA248972

REACTIVITY
Human

PRODUCT SYNONYMS

GPR35 (G-protein coupled receptor 35); Human GPR35 (G-protein coupled receptor 35) ELISA Kit; GPR35 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of GPNMB. No significant cross-reactivity or interference between GPNMB and analogues was observed.
Sequence Length	309
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	0.156-10ng/ml
Sensitivity	0.094ng/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level GPNMB were tested 20 times on one plate, respectively. Intra-Assay: CV<8%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level GPNMB were tested on 3 different plates, 8 replicates in each plate. CV (%) = SD/meanX100. Inter-Assay: CV<10%
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES

Typical Data & Standard Curve

Results of a typical standard operation of a GPR35 ELISA Kit are listed below. This standard curve was generated at our lab for demonstration purpose only. Users shall obtain standard curve as per experiment by themselves. (N/A not applicable)

X	ng/ml	0	0.156	0.312	0.625	1.25	2.5	5	10
Y	OD450	0.076	0.126	0.162	0.265	0.465	0.832	1.461	1.962

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GPR35 elisa kit

Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-GPNMB antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-GPNMB antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and washed with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the GPNMB amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of GPNMB can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	30526188
NCBI GeneID	2859
Molecular Weight	37,452 Da
NCBI Official Full Name	G-protein coupled receptor 35
NCBI Official Synonym Full Names	G protein-coupled receptor 35
NCBI Official Symbol	GPR35
NCBI Protein Information	G-protein coupled receptor 35
UniProt Protein Name	G-protein coupled receptor 35
UniProt Gene Name	GPR35
UniProt Synonym Gene Names	KYNA receptor

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/gpr35-g-protein-coupled-receptor-35/248972>