

Canine G Protein Coupled Receptor ELISA Kit | GPCR elisa kit

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CATALOG #
AAA91842

REACTIVITY
Canine

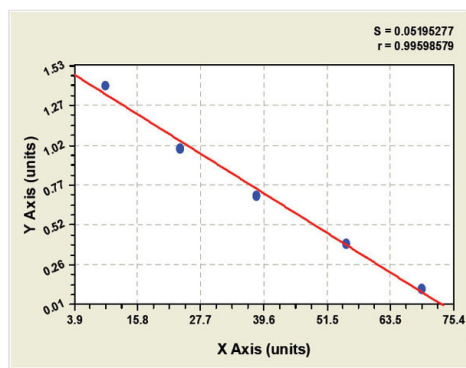
PRODUCT SYNONYMS

G Protein Coupled Receptor; Canine G Protein Coupled Receptor ELISA Kit; GPCR elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Sandwich
Detection Range	1.0-25ng/mL
Sensitivity	0.1ng/mL
Intended Uses	This GPCR ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine GPCR. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GPCR elisa kit

Principle of the Assay: GPCR ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-GPCR antibody and an GPCR-HRP conjugate. The assay sample and buffer are incubated together with GPCR-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 GPCR concentration since GPCR from samples and GPCR-HRP conjugate compete for the anti-GPCR antibody binding site. Since the number of sites is limited, as more sites are occupied by GPCR from the sample, fewer sites are left to bind GPCR-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The GPCR concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	145336679
NCBI GeneID	841725
NCBI Accession #	NP_175700.2
NCBI GenBank Nucleotide #	NM_104170.2
Molecular Weight	46,451 Da
NCBI Official Full Name	G-protein coupled receptor 2
NCBI Official Symbol	GPCR
NCBI Official Synonym Symbols	F14G24.19; F14G24_19; G protein coupled receptor; G-PROTEIN COUPLED RECEPTOR 2; GCR2; GPCR
NCBI Protein Information	G-protein coupled receptor 2
UniProt Protein Name	LanC-like protein GCR2
UniProt Gene Name	GCR2
UniProt Synonym Gene Names	GPCR; At1g52920; F14G24.19
UniProt Entry Name	GCR2_ARATH

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/gpcr-canine-elisa-kits/g-protein-coupled-receptor/91842>