

Canine G Protein Coupled Receptor 48 ELISA Kit | GPR48 elisa kit

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CATALOG #
AAA94410

REACTIVITY
Canine

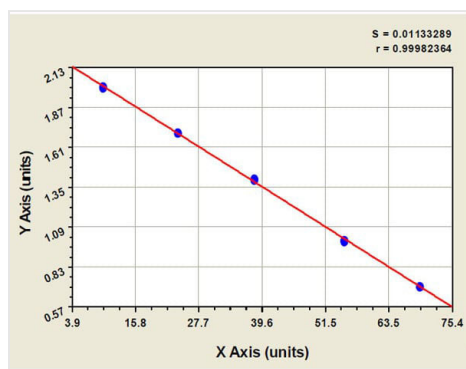
PRODUCT SYNONYMS

G Protein Coupled Receptor 48; Canine G Protein Coupled Receptor 48 ELISA Kit; GPR48 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	1.0 ng/mL.
Intended Uses	This GRP48 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine GRP48. 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 GPR48 elisa kit

Principle of the assay: GRP48 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-GRP48 antibody and an GRP48-HRP conjugate. The assay sample and buffer are incubated together with GRP48-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 GRP48 concentration since GRP48 from samples and GRP48-HRP conjugate compete for the anti-GRP48 antibody binding site. Since the number of sites is limited, as more sites are occupied by GRP48 from the sample, fewer sites are left to bind GRP48-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The GRP48 concentration in each sample is interpolated from this standard curve.

Product Categories/Family for GPR48 elisa kit

Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	7739737
NCBI GeneID	55366
Molecular Weight	101,667 Da
NCBI Official Full Name	G-protein-coupled receptor 48
NCBI Official Synonym Full Names	leucine-rich repeat containing G protein-coupled receptor 4
NCBI Official Symbol	LGR4
NCBI Official Synonym Symbols	GPR48; BNMD17
NCBI Protein Information	leucine-rich repeat-containing G-protein coupled receptor 4; G protein-coupled receptor 48
UniProt Protein Name	Leucine-rich repeat-containing G-protein coupled receptor 4
UniProt Gene Name	LGR4
UniProt Synonym Gene Names	GPR48
UniProt Entry Name	LGR4_HUMAN

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/gpr48-canine-elisa-kits/g-protein-coupled-receptor-48/94410>