

Rat Glucagon Like Peptide 2 ELISA Kit | GLP-2 elisa kit

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CATALOG #
AAA83491

REACTIVITY
Rat

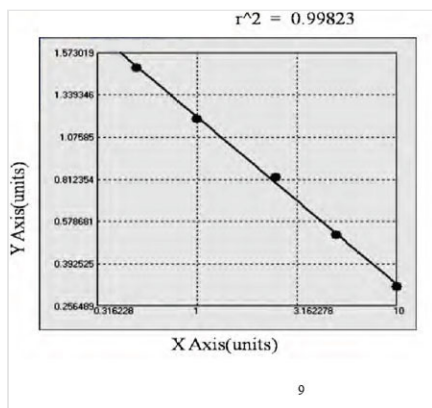
PRODUCT SYNONYMS

Glucagon Like Peptide 2; Rat Glucagon Like Peptide 2 ELISA Kit; GLP-2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	0.5-10ng/mL
Sensitivity	0.1ng/ml
Intended Uses	This GLP-2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat GLP-2. 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 GLP-2 elisa kit

Principle of the Assay: GLP-2 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-GLP-2 antibody and an GLP-2-HRP conjugate. The assay sample and buffer are incubated together with GLP-2-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 GLP-2 concentration since GLP-2 from samples and GLP-2-HRP conjugate compete for the anti-GLP-2 antibody binding site. Since the number of sites is limited, as more sites are occupied by GLP-2 from the sample, fewer sites are left to bind GLP-2-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The GLP-2 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4503945
NCBI GeneID	2641
NCBI Accession #	NP_002045.1
NCBI GenBank Nucleotide #	NM_002054.4
Molecular Weight	20,909 Da
NCBI Official Full Name	glucagon preproprotein
NCBI Official Synonym Full Names	glucagon
NCBI Official Symbol	GCG
NCBI Official Synonym Symbols	GLP1; GLP2; GRPP
NCBI Protein Information	glucagon; preproglucagon; glucagon-like peptide 1; glucagon-like peptide 2; glicentin-related polypeptide
UniProt Protein Name	Glucagon
UniProt Gene Name	GCG
UniProt Synonym Gene Names	GRPP; OXM; OXY; GLP-1; GLP-1(7-37); GLP-1(7-36); GLP-2
UniProt Entry Name	GLUC_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.

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Online datasheet: <https://stage.aaabiotech.com/glp-2-rat-elisa-kits/glucagon-like-peptide-2/83491>