

Human Galanin peptides ELISA Kit | GAL elisa kit

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CATALOG #
AAA98942

REACTIVITY
Human

PRODUCT SYNONYMS

Galanin peptides; Human Galanin peptides ELISA Kit; GAL/Galanin/Galanin prepropeptide/GALN/GAL1/GALNgalanin-related peptide/GLNNGalanin-message-associated peptide/GMAP; GAL elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of GAL. No significant cross-reactivity or interference between GAL and analogues was observed.
Sequence Length	123
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	15.625-1000pg/ml
Sensitivity	9.375pg/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level GAL 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 GAL 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 run of a GAL ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A-not applicable)

X	pg/ml	0	15.625	31.25	62.5	125	250	500	1000
Y	OD450	0.035	0.091	0.147	0.286	0.579	1.054	1.738	2.458

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GAL elisa kit

Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti- GAL antibody was pre-coated onto 96-well plates. And the biotin conjugated anti- GAL antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash 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 GAL amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of GAL can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	27804313
NCBI GeneID	51083
NCBI Accession #	NP_057057.2
NCBI GenBank Nucleotide #	NM_015973.4
Molecular Weight	13,302 Da
NCBI Official Full Name	galanin peptides preproprotein
NCBI Official Synonym Full Names	galanin/GMAP prepropeptide
NCBI Official Symbol	GAL
NCBI Official Synonym Symbols	ETL8; GALN; GLNN; GMAP; GAL-GMAP
NCBI Protein Information	galanin peptides
UniProt Protein Name	Galanin peptides
UniProt Gene Name	GAL
UniProt Synonym Gene Names	GAL1; GALN; GLNN; GMAP
UniProt Entry Name	GALA_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://www.aaabiotech.com/gal-human-elisa-kits/galanin-peptides/98942>