

## Human Galanin (GAL) ELISA Kit | GAL elisa kit

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CATALOG #  
AAA182227

REACTIVITY  
Human

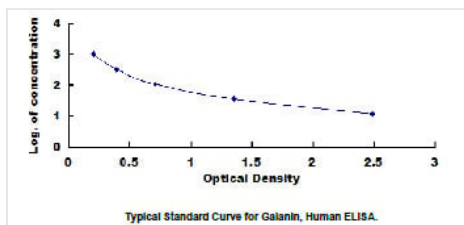
### PRODUCT SYNONYMS

Galanin (GAL); Human Galanin (GAL) ELISA Kit; GALN; GLNN; GMAP; Galanin Prepropeptide; Galanin-Message-Associated Peptide; GAL elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Specificity             | This assay has high sensitivity and excellent specificity for detection of galanin. No significant cross-reactivity or interference between galanin and analogues was observed.                                                                                                                                                                                                                                                                                                            |
| Sequence Length         | 123                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Samples                 | Serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids                                                                                                                                                                                                                                                                                                                                                                                       |
| Assay Type              | Quantitative Competitive                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Detection Range         | 12.35-1,000pg/mL                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Sensitivity             | < 5.25pg/mL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Intra-assay Precision   | Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level galanin were tested 20 times on one plate, respectively. Intra-Assay: CV<10%                                                                                                                                                                                                                                                                                                                  |
| Inter-assay Precision   | Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level galanin were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%                                                                                                                                                                                                                                                                                |
| Preparation and Storage | The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition.<br>To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end. |

### IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

|                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-----------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for GAL elisa kit | <p>Intended Uses: The kit is a competitive inhibition enzyme immunoassay technique for the in vitro quantitative measurement of galanin in human serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids.</p> <p>Principle of the Assay: This assay employs the competitive inhibition enzyme immunoassay technique. A monoclonal antibody specific to galanin has been pre-coated onto a microplate. A competitive inhibition reaction is launched between biotin labeled galanin and unlabeled galanin (Standards or samples) with the pre-coated antibody specific to galanin. After incubation the unbound conjugate is washed off. Next, avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. The amount of bound HRP conjugate is reverse proportional to the concentration of galanin in the sample. After addition of the substrate solution, the intensity of color developed is reverse proportional to the concentration of galanin in the sample.</p> |
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NCBI AND UNIPROT INFORMATION

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|----------------------------------|----------------------------------|
| NCBI GI #                        | 27804313                         |
| NCBI GeneID                      | 51083                            |
| NCBI Accession #                 | NP_057057.2                      |
| NCBI GenBank Nucleotide #        | NM_015973.4                      |
| UniProt Accession #              | P22466; Q14413                   |
| Molecular Weight                 | 13,302 Da                        |
| NCBI Official Full Name          | galanin peptides preproprotein   |
| NCBI Official Synonym Full Names | galanin and 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           |

**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/human-elisa-kits/galanin-gal/182227>