

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

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CATALOG #  
AAA273711

REACTIVITY  
Rat

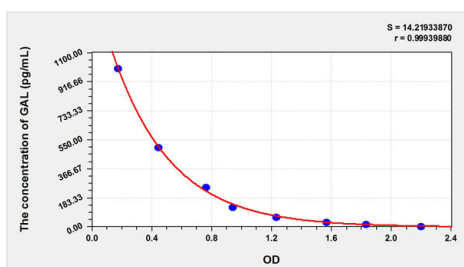
### PRODUCT SYNONYMS

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

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                 |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Rat                                                                                                                                                                             |
| Specificity             | This assay has high sensitivity and excellent specificity for detection of Rat GAL. No significant cross-reactivity or interference between Rat GAL and analogues was observed. |
| Assay Type              | Competitive                                                                                                                                                                     |
| Detection Range         | 15.63-1000 pg/mL                                                                                                                                                                |
| Sensitivity             | 4.97 pg/mL                                                                                                                                                                      |
| Intra-assay Precision   | Intra-assay Precision (Precision within an assay)? CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess intra-assay precision.          |
| Inter-assay Precision   | Inter-assay Precision (Precision between assays)? CV%<10%. Three samples of known concentration were tested in forty separate assays to assess inter-assay precision.           |
| Preparation and Storage | Store at 2-8 degree C. Stable for 6 months from date of receipt.                                                                                                                |

### IMAGES



Standard Curve (Sample)

### ADDITIONAL INFORMATION

#### Related Product Information for GAL elisa kit

Principle of the Assay: This assay employs the competitive inhibition enzyme immunoassay technique. The microtiter plate provided in this kit has been pre-coated with Galanin(GAL) protein. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Galanin(GAL). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm  $\pm$  10nm. The concentration of Galanin(GAL) in the samples is then determined by comparing the OD of the samples to the standard curve.

#### Product Categories/Family for GAL elisa kit

Metabolic pathway; Endocrinology; Reproductive science; Neuro science; Hepatology; Gastroenterology; Hormone metabolism

**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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