

## Rat Enkephalin ELISA Kit | ENK elisa kit

Rat Enkephalin ELISA Kit

CATALOG #  
**AAA16312**

REACTIVITY  
**Rat**

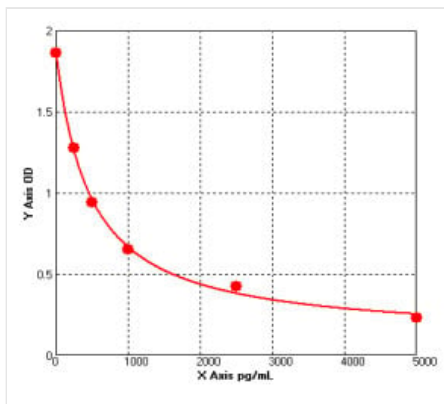
### PRODUCT SYNONYMS

Enkephalin; Rat Enkephalin ELISA Kit; ENK elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                                                                       |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Rat                                                                                                                                                                                                                                                                                                                                                                                   |
| Specificity             | This assay has high sensitivity and excellent specificity for detection of ENK. No significant cross-reactivity or interference between ENK and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between ENK and all the analogues, therefore, cross reaction may still exist in some cases. |
| Assay Type              | Quantitative Competitive                                                                                                                                                                                                                                                                                                                                                              |
| Samples                 | Serum, plasma, cell culture supernatants, body fluid and tissue homogenate                                                                                                                                                                                                                                                                                                            |
| Sensitivity             | 1.0 pg/mL                                                                                                                                                                                                                                                                                                                                                                             |
| Preparation and Storage | Store all reagents at 2-8 degree C.                                                                                                                                                                                                                                                                                                                                                   |

### IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

|                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|-----------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for ENK elisa kit | <p>Principle of the Assay: ENK ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-ENK antibody and an ENK-HRP conjugate. The assay sample and buffer are incubated together with ENK-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 ENK concentration since ENK from samples and ENK-HRP conjugate compete for the anti-ENK antibody binding site. Since the number of sites is limited, as more sites are occupied by ENK from the sample, fewer sites are left to bind ENK-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ENK concentration in each sample is interpolated from this standard curve.</p> <p>Intended Uses: This ENK ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat ENK. This ELISA kit for research use only, not for therapeutic or diagnostic applications!</p> |
| Product Categories/Family for ENK elisa kit   | Neurobiology                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                       |
|----------------------------------|-------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 204026                                                                                                |
| NCBI GeneID                      | 29237                                                                                                 |
| Molecular Weight                 | 30,932 Da                                                                                             |
| NCBI Official Full Name          | enkephalin                                                                                            |
| NCBI Official Synonym Full Names | proenkephalin                                                                                         |
| NCBI Official Symbol             | Penk                                                                                                  |
| NCBI Official Synonym Symbols    | Enk; Penk1; Penk2; Penk-rs                                                                            |
| NCBI Protein Information         | proenkephalin-A; proenkephalin 1; proenkephalin 2; preproenkephalin 2; proenkephalin related sequence |
| UniProt Protein Name             | Proenkephalin-A                                                                                       |
| UniProt Gene Name                | Penk                                                                                                  |
| UniProt Synonym Gene Names       | Penk-rs; Penk1; OGF                                                                                   |
| UniProt Entry Name               | PENK_RAT                                                                                              |

**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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