

## Mouse Peptide YY (PYY) ELISA Kit | PYY elisa kit

Mouse Peptide YY (PYY) Mini Samples ELISA Kit

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|-------------------------------|----------------------------|------------------------------|
| CATALOG #<br><b>AAA188728</b> | REACTIVITY<br><b>Mouse</b> | APPLICATIONS<br><b>ELISA</b> |
|-------------------------------|----------------------------|------------------------------|

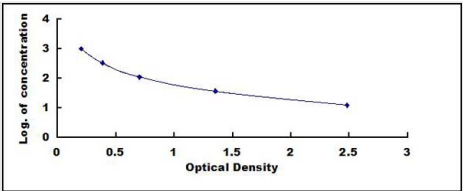
### PRODUCT SYNONYMS

Peptide YY (PYY); Mouse Peptide YY (PYY) Mini Samples ELISA Kit; Peptide YY; PYY1; Peptide tyrosine tyrosine; PYY elisa kit

### PRODUCT SPECIFICATIONS

|                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|-------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity                                | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Specificity                               | This assay has high sensitivity and excellent specificity for detection of Mini Samples Peptide YY (PYY). No significant cross-reactivity or interference between Mini Samples Peptide YY (PYY) and analogues was observed.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Sequence Length                           | 98                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Assay Type                                | Double-antibody Sandwich                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Samples                                   | Serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Detection Range                           | 12.35-1,000pg/mL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Sensitivity                               | The minimum detectable dose of this kit is typically less than 4.84pg/mL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Applicable Applications for PYY elisa kit | ELISA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Precision                                 | Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level Mini Samples Peptide YY (PYY) were tested 20 times on one plate, respectively.<br>Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level Mini Samples Peptide YY (PYY) were tested on 3 different plates, 8 replicates in each plate.<br>CV(%) = SD/meanX100<br>Intra-Assay: CV<10%<br>Inter-Assay: CV<12%                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Test Principle                            | This assay employs the competitive inhibition enzyme immunoassay technique. A monoclonal antibody specific to Mini Samples Peptide YY (PYY) has been pre-coated onto a microplate. A competitive inhibition reaction is launched between biotin labeled Mini Samples Peptide YY (PYY) and unlabeled Mini Samples Peptide YY (PYY) (Standards or samples) with the pre-coated antibody specific to Mini Samples Peptide YY (PYY). 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 Mini Samples Peptide YY (PYY) in the sample. After addition of the substrate solution, the intensity of color developed is reverse proportional to the concentration of Mini Samples Peptide YY (PYY) in the sample. |
| 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)

NCBI AND UNIPROT INFORMATION

|                                  |                      |
|----------------------------------|----------------------|
| NCBI GI #                        | 21703868             |
| NCBI GeneID                      | 217212               |
| NCBI Accession #                 | NP_663410.1          |
| NCBI GenBank Nucleotide #        | NP_663410.1          |
| UniProt Accession #              | Q9EPS2               |
| NCBI Official Full Name          | peptide YY isoform 1 |
| NCBI Official Synonym Full Names | peptide YY           |
| NCBI Official Symbol             | Pyy                  |
| NCBI Protein Information         | peptide YY           |
| UniProt Protein Name             | Peptide YY           |
| UniProt Gene Name                | Pyy                  |
| UniProt Synonym Gene Names       | PYY                  |
| UniProt Entry Name               | PYY_MOUSE            |

**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/mouse-elisa-kits/peptide-yy-pyy/188728>