

## Pig Brain Natriuretic Peptide (BNP) ELISA Kit | BNP elisa kit

Pig Brain Natriuretic Peptide (BNP) ELISA Kit

CATALOG #  
AAA147214

REACTIVITY  
Pig

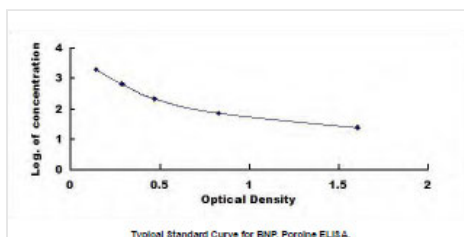
### PRODUCT SYNONYMS

Brain Natriuretic Peptide (BNP); Pig Brain Natriuretic Peptide (BNP) ELISA Kit; GC-B; NPPB; B-Type Natriuretic Peptide; Natriuretic Peptide Precursor B; Gamma-brain natriuretic peptide; Brain natriuretic peptide 32; BNP elisa kit

### PRODUCT SPECIFICATIONS

|                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|---------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity                                        | Pig                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Specificity                                       | This assay has high sensitivity and excellent specificity for detection of Brain Natriuretic Peptide (BNP). No significant cross-reactivity or interference between Brain Natriuretic Peptide (BNP) and analogues was observed.                                                                                                                                                                                                                                                            |
| Sequence Length                                   | 131                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Assay Type                                        | Competitive Inhibition                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Samples                                           | Serum, Plasma, Tissue homogenates, Cell lysates, Cell culture supernates and other biological fluids                                                                                                                                                                                                                                                                                                                                                                                       |
| Detection Range                                   | 24.69-2,000pg/mL                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Sensitivity                                       | 8.63pg/mL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Application                                       | Enzyme-linked immunosorbent assay for Antigen Detection.                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Intra-assay Precision (Precision within an assay) | 3 samples with low, middle and high level Brain Natriuretic Peptide (BNP) were tested 20 times on one plate, respectively.                                                                                                                                                                                                                                                                                                                                                                 |
| Inter-assay Precision (Precision between assays)  | 3 samples with low, middle and high level Brain Natriuretic Peptide (BNP) were tested on 3 different plates, 8 replicates in each plate.                                                                                                                                                                                                                                                                                                                                                   |
| CV(%) =                                           | SD/meanX100                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Intra-Assay                                       | CV<10%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| 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 BNP elisa kit | This assay employs the competitive inhibition enzyme immunoassay technique. A monoclonal antibody specific to Brain Natriuretic Peptide (BNP) has been pre-coated onto a microplate. A competitive inhibition reaction is launched between biotin labeled Brain Natriuretic Peptide (BNP) and unlabeled Brain Natriuretic Peptide (BNP) (Standards or samples) with the pre-coated antibody specific to Brain Natriuretic Peptide (BNP). 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 Brain Natriuretic Peptide (BNP) in the sample. After addition of the substrate solution, the intensity of color developed is reverse proportional to the concentration of Brain Natriuretic Peptide (BNP) in the sample. |
| Product Categories/Family for BNP elisa kit   | Cardiovascular biology; Neuroscience; Hormone metabolism                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

NCBI AND UNIPROT INFORMATION

|                               |                        |
|-------------------------------|------------------------|
| NCBI GI #                     | 47523166               |
| NCBI GeneID                   | 396844                 |
| NCBI Accession #              | NP_999011.1            |
| NCBI GenBank Nucleotide #     | NM_213846.1            |
| UniProt Accession #           | P07634                 |
| Molecular Weight              | 14,512 Da              |
| NCBI Official Full Name       | natriuretic peptides B |
| NCBI Official Symbol          | NPPB                   |
| NCBI Official Synonym Symbols | BNP; BNP1              |
| NCBI Protein Information      | natriuretic peptides B |
| UniProt Protein Name          | Natriuretic peptides B |
| UniProt Gene Name             | NPPB                   |
| UniProt Synonym Gene Names    | BNP-32; BNP-26         |

**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/pig-elisa-kits/brain-natriuretic-peptide-bnp/147214>