

## BNP antibody pair

Human BNP Antibody Pair Set

|                               |                      |                            |                              |
|-------------------------------|----------------------|----------------------------|------------------------------|
| CATALOG #<br><b>AAA179667</b> | HOST<br><b>Mouse</b> | REACTIVITY<br><b>Human</b> | APPLICATIONS<br><b>ELISA</b> |
|-------------------------------|----------------------|----------------------------|------------------------------|

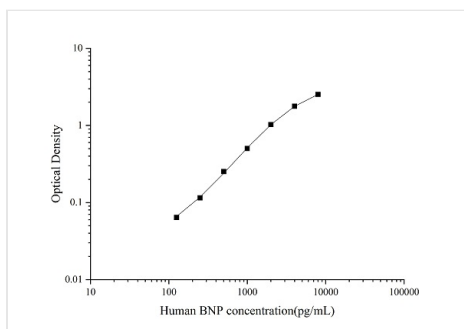
### PRODUCT SYNONYMS

BNP; Human BNP Antibody Pair Set; NPPB; GC-B; B-Type Natriuretic Peptide; Natriuretic Peptide Precursor B; BNP antibody pair

### PRODUCT SPECIFICATIONS

|                                               |                                                                                                                                                                |
|-----------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                          | Mouse                                                                                                                                                          |
| Reactivity                                    | Human                                                                                                                                                          |
| Specificity                                   | Detects Human BNP in ELISAs.                                                                                                                                   |
| Purity/Purification                           | Protein A                                                                                                                                                      |
| Form/Format                                   | Capture Ab: PBS with 0.04% Proclin 300, 50% glycerol, pH 7.4<br>Detection AB (Biotin): PBS with 0.04% Proclin 300, 1% protective protein, 50% glycerol, pH 7.4 |
| Concentration                                 | Capture Ab: 0.5 mg/mL (varies by lot)                                                                                                                          |
| Applicable Applications for BNP antibody pair | ELISA                                                                                                                                                          |
| Assay Type                                    | This Antibody Pair Kit applies to the sandwich ELISA assay.                                                                                                    |
| Immunogen                                     | NPPB, GC-B, B-Type Natriuretic Peptide, Natriuretic Peptide Precursor B                                                                                        |
| Conjugation                                   | Capture Ab: Unconjugated<br>Detection AB (Biotin): Biotin                                                                                                      |
| Preparation and Storage                       | Store at -20 degree C for 12 months                                                                                                                            |

### IMAGES



#### Application Data

Note: This standard curve is only for demonstration purposes. A standard curve should be generated for each assay.

ADDITIONAL INFORMATION

|                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|---------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for BNP antibody pair | Brain-type Natriuretic Peptide (BNP) is a nonglycosylated peptide that is produced predominantly by ventricular myocytes and belongs to the natriuretic peptide family. Proteolytic cleavage of the 12 kDa BNP precursor gives rise to N-terminal proBNP (NT-proBNP) and mature BNP. Plasma NT-proBNP is a marker for congestive heart failure,while mature BNP (aa 103 - 134) promotes vasodilation and fluid and sodium excretion. Human BNP precursor shares 29% and 51% aa sequence identity with mouse and porcine BNP precursor,respectively. |
| Product Categories/Family for BNP antibody pair   | <a href="#">Antibody Pairs</a> ; <a href="#">Matched Antibody Pair Kits and Reagents</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                               |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | <a href="#">4505433</a>                                                                                                                       |
| NCBI GeneID                      | <a href="#">4879</a>                                                                                                                          |
| NCBI Accession #                 | <a href="#">NP_002512.1</a>                                                                                                                   |
| NCBI GenBank Nucleotide #        | <a href="#">NM_002521.2</a>                                                                                                                   |
| UniProt Accession #              | <a href="#">P16860</a> ; <a href="#">Q6FGY0</a> ; <a href="#">Q9P2Q7</a> ; <a href="#">B0ZBE9</a>                                             |
| NCBI Official Full Name          | natriuretic peptides B preproprotein                                                                                                          |
| NCBI Official Synonym Full Names | natriuretic peptide B                                                                                                                         |
| NCBI Official Symbol             | NPPB                                                                                                                                          |
| NCBI Official Synonym Symbols    | BNP                                                                                                                                           |
| NCBI Protein Information         | natriuretic peptides B; natriuretic protein; brain type natriuretic peptide; gamma-brain natriuretic peptide; natriuretic peptide precursor B |
| UniProt Protein Name             | Natriuretic peptides B                                                                                                                        |
| UniProt Gene Name                | <b>NPPB</b>                                                                                                                                   |
| UniProt Synonym Gene Names       | BNP(1-32); BNP-32                                                                                                                             |
| UniProt Entry Name               | ANFB_HUMAN                                                                                                                                    |

**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.