

## DESCRIPTION

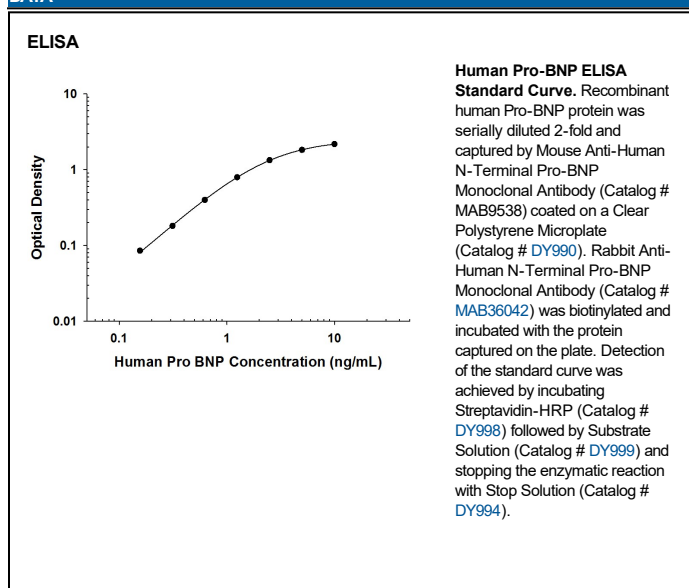
<b>Species Reactivity</b>	Human
<b>Specificity</b>	Detects human N-Terminal Pro-BNP in direct ELISAs.
<b>Source</b>	Monoclonal Mouse IgG <sub>2B</sub> Clone # 370129
<b>Purification</b>	Protein A or G purified from hybridoma culture supernatant
<b>Immunogen</b>	<i>E. coli</i> -derived recombinant human N-Terminal Pro-BNP His27-His134 Accession # P16860
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 µm filtered solution in PBS.

## APPLICATIONS

**Please Note:** Optimal dilutions should be determined by each laboratory for each application. *General Protocols* are available in the *Technical Information* section on our website.

<b>ELISA</b>	This antibody functions as an ELISA capture antibody when paired with Rabbit Anti-Human N-terminal Pro-BNP Monoclonal Antibody (Catalog # <a href="#">MAB36042</a> ).  <i>This product is intended for assay development on various assay platforms requiring antibody pairs. We recommend the Human NT Pro-BNP DuoSet ELISA Kit (Catalog # <a href="#">DY3604-05</a>) for convenient development of a sandwich ELISA.</i>
--------------	--

## DATA



## PREPARATION AND STORAGE

<b>Reconstitution</b>	Reconstitute at 0.5 mg/mL in sterile PBS.
<b>Shipping</b>	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
<b>Stability &amp; Storage</b>	<b>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</b> <ul style="list-style-type: none"> <li>● 12 months from date of receipt, -20 to -70 °C as supplied.</li> <li>● 1 month, 2 to 8 °C under sterile conditions after reconstitution.</li> <li>● 6 months, -20 to -70 °C under sterile conditions after reconstitution.</li> </ul>

## BACKGROUND

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 Pro-BNP (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.