

Anti-NT-proBNP (12-16) Detection Antibody

04/20

CATALOG NO.: A2115-100 (100 µg)

BACKGROUND DESCRIPTION: Natriuretic peptides are hormones that are produced by the cardiac tissues and are involved in functions such as maintaining homeostasis of body fluids and regulating blood pressure. There are three major known natriuretic peptides: Atrial natriuretic peptide (ANP), B-type natriuretic peptide (BNP) and C-type NP. BNP is first synthesized as pre-proBNP in the myocardium of the ventricle, which is then cleaved first to proBNP, then to active BNP (34 amino acids) and an inactive N-terminal proBNP (NT-proBNP). Although BNP and NT-proBNP are secreted in equal concentrations, NT-proBNP has a half-life of 120 mins. Increased levels of NT-proBNP are found with increased age, hypertrophy of the ventricles, fibrillation the atria and heart failure. Therefore NT-proBNP serves as an important diagnostic marker for cardiac failure.

ANTIBODY TYPE: Monoclonal

HOST: Mouse

IMMUNOGEN: Native Human ProBNP antigen

PURIFICATION: >90%

FORM: Liquid

FORMULATION: In 10 mM PBS, pH 7.4

STORAGE CONDITIONS: Short Term 2-8°C, Long Term -20°C. Avoid freeze/thaw cycles

APPLICATIONS AND USAGE: Lateral Flow

Note: This product is not for diagnostic purposes. It is the sole responsibility of the user to assume care, control and custody of the material, and ensure appropriate disposal, as per all regulations.

RELATED PRODUCTS:

Anti-Lp-PLA2 Detection Antibody (A2095)
 Anti-CK-MB Detection Antibody (A2089)
 Anti-D-Dimer Capture Antibody (A2090)
 Anti-ST2 Detection Antibody (A2099)

FOR RESEARCH USE ONLY! Not to be used on humans.