

MAA541Mu21

Monoclonal Antibody to Brain Natriuretic Peptide (BNP)

Organism Species: *Mus musculus* (Mouse)

Instruction manual

FOR RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

13th Edition (Revised in Aug, 2023)

[PROPERTIES]

Source: Monoclonal antibody preparation

Host: Mouse

Antibody isotype: IgG2b Kappa

Purification: Protein A + Protein G affinity chromatography

Clone number: C10

Traits: Liquid

Concentration: 1mg/mL

UOM: 100µL

Cross Reactivity: N/A

Applications: IHC; ICC/IF

[IMMUNOGEN]

Immunogen: Recombinant BNP (Tyr27~Leu121) expressed in *E.coli*

Accession No.: RPA541Mu01

[APPLICATIONS]

Immunohistochemistry: 5-30µg/mL;

Immunofluorescence: 5-20µg/mL;

Optimal working dilutions must be determined by end user.

[FORMULATION]

Form & Buffer: Supplied as solution form in 0.01M PBS, pH7.4, containing 0.05% Proclin-300, 50% glycerol.

[STORAGE AND STABILITY]

Storage: Avoid repeated freeze/thaw cycles.

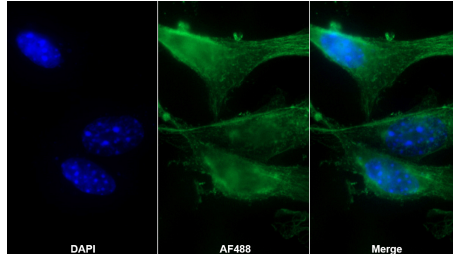
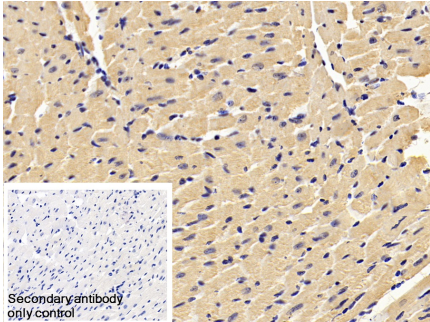
Store at 4°C for frequent use.

Aliquot and store at -20°C for 24 months.

Stability Test: The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no

obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

[IDENTIFICATION]



AF488 staining on IF;

Sample: NIH/3T3 cell

DAB staining on IHC-P; Sample: Mouse

Cardiac Muscle Tissue Primary Ab:
30µg/ml Mouse Anti-Mouse BNP

Antibody Control: Used PBS instead of
primary antibody Second Ab: 2µg/ml
HRP-Linked Caprine Anti-Mouse IgG

Polyclonal Antibody (Catalog:
SAA544Mu19)

Primary Ab: 20µg/ml Mouse Anti-Mouse
BNP Antibody

Second Ab: 2µg/ml AF488-Linked
Caprine Anti-Mouse IgG Polyclonal
Antibody

(Catalog: SAA544Mu11)

[IMPORTANT NOTE]

The kit is designed for research use only, we will not be responsible for any issue if the kit was used in clinical diagnostic or any other procedures.