

MAA260Hu21

Monoclonal Antibody to Beta-2-Microglobulin (b2M)

Organism Species: *Homo sapiens (Human)*

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: IgG2a Kappa

Purification: Protein A + Protein G affinity chromatography

Clone number: C1

Traits: Liquid

Concentration: 1mg/mL

UOM: 100µg(100µL)

Cross Reactivity: N/A

Applications: WB; IHC; ICC/IF; FCM

[IMMUNOGEN]

Immunogen: Recombinant b2M (Gln22~Met119) expressed in *E.coli*

Accession No.: RPA260Hu01

[APPLICATIONS]

Western blotting: 0.01-2µg/mL;

Immunohistochemistry: 5-40µg/mL;

Immunofluorescence: 5-20µg/mL;

Flow cytometry: 10µg/mL;

Optimal working dilutions must be determined by end user.

[FORMULATION]

Form & Buffer: Supplied as solution form in PBS, pH7.4, containing 0.02% NaN₃, 50% glycerol.

[STORAGE AND STABILITY]

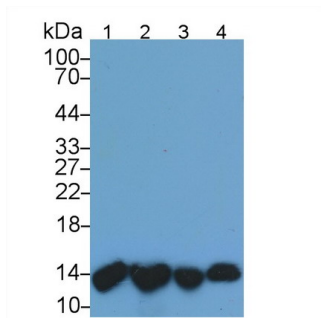
Storage: Avoid repeated freeze/thaw cycles.

Store at 4°C for frequent use.

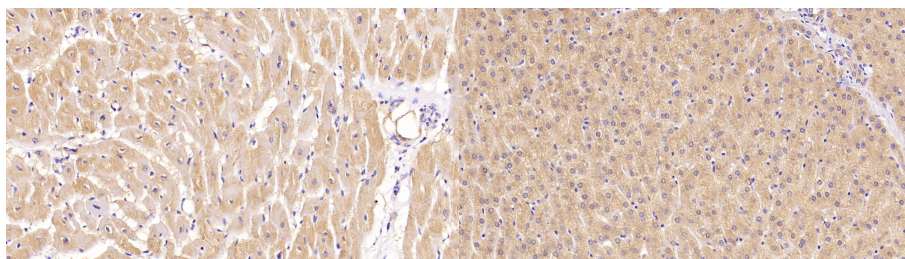
Aliquot and store at -20°C for 24 months.

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]

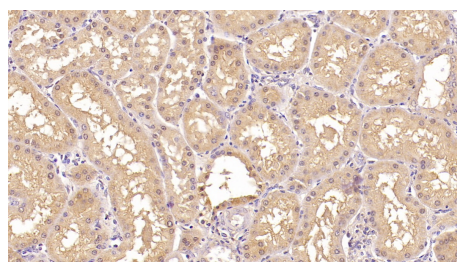


Western Blot; Sample: Lane1: Human Urine; Lane2: Human Leukocyte lysate; Lane3: Human A431 cell lysate; Lane4: Human Raji cell lysate Primary Ab: 2µg/ml Mouse Anti-Human b2M Antibody Second Ab: 0.2µg/ml HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody (Catalog: SAA544Mu19)

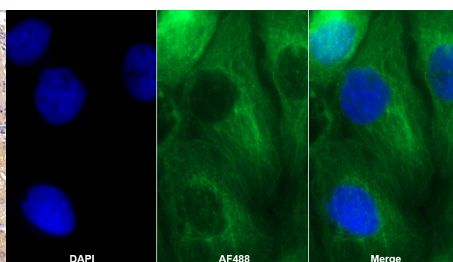


DAB staining on IHC-P; Sample: Human Cardiac Muscle Tissue; Primary Ab: 40µg/ml Mouse Anti-Human b2M Antibody Second Ab: 2µg/mL HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody (Catalog: SAA544Mu19)

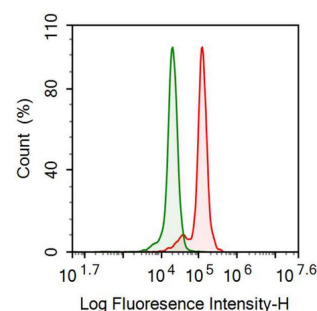
DAB staining on IHC-P; Sample: Human Liver Tissue; Primary Ab: 40µg/ml Mouse Anti-Human b2M Antibody Second Ab: 2µg/mL HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody (Catalog: SAA544Mu19)



DAB staining on IHC-P; Sample: Human Kidney Tissue; Primary Ab: 40µg/ml Mouse Anti-Human b2M Antibody Second Ab: 2µg/mL HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody



AF488 staining on IF; Sample: A431 cell Primary Ab: 20µg/ml Mouse Anti-Human b2M Antibody Second Ab: 2µg/mL AF488-Linked Caprine Anti-Mouse IgG Polyclonal Antibody



Human THP1 cell line was stained with 10µg/ml mouse Anti-human His Monoclonal Antibody (Catalog MAA260Hu21, red histogram) or Isotype control antibody (Catalog IS067-Mu01, green histogram),

(Catalog: SAA544Mu19)

(Catalog: SAA544Mu11)

followed by 1µg/ml FITC-conjugated
Anti-mouse IgG Secondary Antibody
(Catalog SAA544Mu18).

[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.