

MAA588Hu23

Monoclonal Antibody to Pyruvate kinase isozymes M2 (PKM2)

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: IgG2aKappa

Purification: Protein A + Protein G affinity chromatography

Clone number: D1

Traits: Liquid

Concentration: 1mg/mL

UOM: 100μL

Cross Reactivity: Mouse;Rat

Applications: WB; ICC/IF

[IMMUNOGEN]

Immunogen: Recombinant PKM2 (Lys141~Ala248) expressed in *E.coli*

Accession No.: RPA588Hu01

[APPLICATIONS]

Western blotting: 0.01-2μg/mL;

Immunofluorescence: 5-20μg/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.

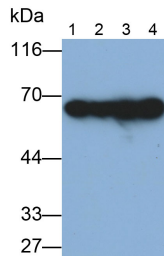
Store at 4°C for frequent use.

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

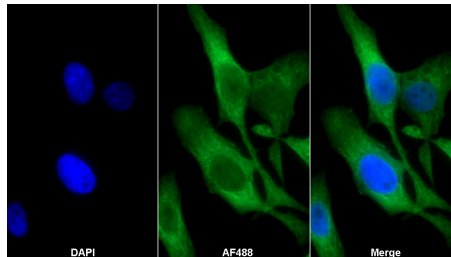
Stability Test: The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no

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

[IDENTIFICATION]



Western Blot; Samples: Lane1: A549 cell lysate; Lane2: 293T cell lysate; Lane3: NIH/3T3 cell lysate; Lane4: Rat Cerebrum lysate;
Primary Ab: 0.2 μ g/ml Mouse Anti-Human PKM2 Antibody
Second Ab: 0.2 μ g/ml HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody
(Catalog: SAA544Mu19)



AF488 staining on IF;

Sample: HeLa cell
Primary Ab: 20 μ g/ml Mouse Anti-Human PKM2 Antibody
Second Ab: 2 μ g/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.