

**MAA563Mu21**

**Monoclonal Antibody to Interleukin 1 Beta (IL1b)**

**Organism Species: *Mus musculus* (Mouse)**

***Instruction manual***

FOR RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

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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:** D4

**Traits:** Liquid

**Concentration:** 1mg/mL

**UOM:** 100 $\mu$ L

**Cross Reactivity:** N/A

**Applications:** WB

**[ IMMUNOGEN ]**

**Immunogen:** Recombinant IL1b (Val118~Ser269) expressed in *E.coli*

**Accession No.:** RPA563Mu02

**[ APPLICATIONS ]**

Western blotting: 0.01-2 $\mu$ g/mL;

Optimal working dilutions must be determined by end user.

**[ FORMULATION ]**

**Form & Buffer:** Supplied as solution form in PBS, pH7.4, containing 0.02% NaN<sub>3</sub>, 50% glycerol.

**[ STORAGE AND STABILITY ]**

**Storage:** Avoid repeated freeze/thaw cycles.

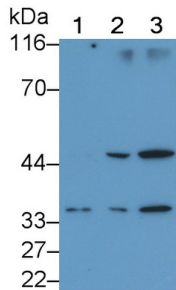
Store at 4°C for frequent use.

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

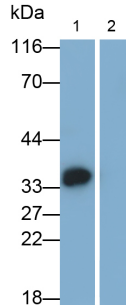
**Stability Test:** The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the

expiration date under appropriate storage condition.

**[ IDENTIFICATION ]**



Western Blot; Sample: Lane1: RAW264.7 cell lysate; Lane2: THP1 cell lysate; Lane3: A431 cell lysate  
 Primary Ab: 0.2µg/ml Mouse Anti-Mouse IL1b Antibody Second Ab: 0.2µg/ml HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody  
 (Catalog: SAA544Mu19)



Western Blot; Samples: Lane1: THP1 treated with 10µg/ml LPS and 10µg/ml ConA for 24 hours, cell precipitation; Lane2: Untreated THP1 cell lysate;  
 Primary Ab: 0.2µg/ml Mouse Anti-Mouse IL1b Antibody  
 Second Ab: 0.2µg/ml HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody  
 (Catalog: SAA544Mu19)

**[ 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.