

MAA124Ra21

Monoclonal Antibody to Transforming Growth Factor Beta 1 (TGFb1)

Organism Species: *Rattus norvegicus* (Rat)

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: IgG1 Kappa

Purification: Protein A + Protein G affinity chromatography

Clone number: D11

Traits: Liquid

Concentration: 1mg/mL

UOM: 100µg(100µL)

Cross Reactivity: Human

Applications: WB; IHC

[IMMUNOGEN]

Immunogen: Recombinant TGFb1 (Ala279~Ser390) expressed in *E.coli*

Accession No.: RPA124Ra01

[APPLICATIONS]

Western blotting: 0.01-3µg/mL;

Immunohistochemistry: 5-30µg/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.

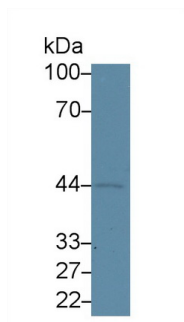
Store at 4°C for frequent use.

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

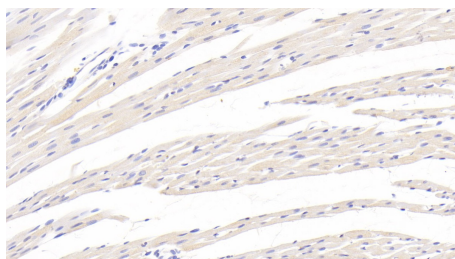
Stability Test: The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no

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

[IDENTIFICATION]

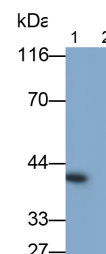


Western Blot; Sample: Human MCF7 cell lysate; Primary Ab: 3μg/ml Mouse Anti-Rat TGFβ1 Antibody Second Ab: 0.2μg/mL HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody (Catalog: SAA544Mu19)

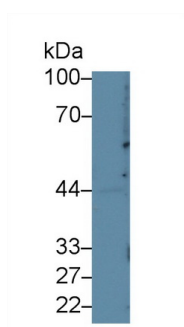


DAB staining on IHC-P; Sample: Rat

Cardiac Muscle Tissue; Primary Ab: 30μg/ml Mouse Anti-Rat TGFβ1 Antibody Second Ab: 2μg/mL HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody (Catalog: SAA544Mu19)



Western Blot; Samples: Lane1: Rat Spleen cells treated with 25ng/ml LPS and 5μg/ml PHA for 24 hours, cell precipitation; Lane2: Untreated Rat Spleen lysate; Primary Ab: 1μg/ml Mouse Anti-Rat TGFβ1 Antibody Second Ab: 0.2μg/ml HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody (Catalog: SAA544Mu19)



Western Blot; Sample: Human K562 cell lysate; Primary Ab: 3μg/ml Mouse Anti-Rat TGFβ1 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.