

**MAD198Hu22**

**Monoclonal Antibody to Sequestosome 1 (SQSTM1)**

**Organism Species: *Homo sapiens (Human)***

***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:** IgG1 Kappa

**Purification:** Protein A + Protein G affinity chromatography

**Clone number:** C1

**Traits:** Liquid

**Concentration:** 1mg/mL

**UOM:** 20µL

**Cross Reactivity:** N/A

**Applications:** WB; IHC; ICC; IP.

**[ IMMUNOGEN ]**

**Immunogen:** Recombinant SQSTM1 (Val136~Gln400) expressed in *E.coli*

**Accession No.:** RPD198Hu01

**[ APPLICATIONS ]**

Western blotting: 0.01-2µg/mL

Immunohistochemistry: 2-20µg/mL

Immunocytochemistry: 2-20µg/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% NaN<sub>3</sub>, 50% glycerol.

**[ STORAGE AND STABILITY ]**

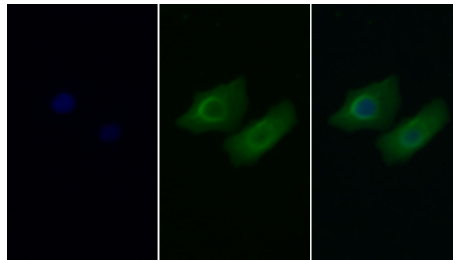
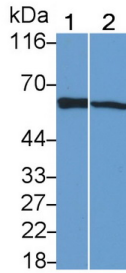
**Storage:** Avoid repeated freeze/thaw cycles.

Store at 4°C for frequent use.

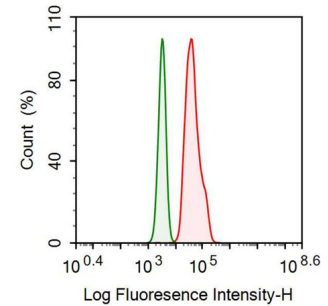
Aliquot and store at -20°C for 24 months.

**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 ]**



FITC staining on IF; Sample: Human



<p>Western Blot; Sample: Lane1: HeLa cell lysate; Lane2: Human Placenta lysate          Primary Ab: 0.2µg/ml Mouse Anti-Human SQSTM1 Antibody Second Ab: 0.2µg/mL HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody (Catalog: SAA544Mu19)</p>	<p>HeLa cell; Primary Ab: 20µg/ml Mouse Anti-Human SQSTM1 Antibody Second Ab: 5µg/ml FITC-Linked Caprine Anti-Mouse IgG Polyclonal Antibody (Catalog: SAA544Mu18)</p>	<p>Human A549 cell line was fixed with 2% paraformaldehyde (10 min) , permeabilised with 0.1% BSA-Triton X-100, then stained with 10µg/ml mouse Anti-human SQSTM1 Monoclonal Antibody (Catalog MAD198Hu22, red histogram) or Isotype control antibody (Catalog IS067-Mu01, green histogram), followed by 1µg/ml FITC-conjugated Anti-mouse IgG Secondary Antibody (Catalog SAA544Mu18).</p>
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**[ 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.