

# HSP70/HSPA1 Mouse mAb

Catalog No.: A1507 **1 Publications**

## Basic Information

### Observed MW

70kDa

### Calculated MW

70kDa

### Category

Primary antibody

### Applications

ELISA, WB

### Cross-Reactivity

Human, Mouse

### CloneNo number

AMC0525

## Background

This intronless gene encodes a 70kDa heat shock protein which is a member of the heat shock protein 70 family. In conjunction with other heat shock proteins, this protein stabilizes existing proteins against aggregation and mediates the folding of newly translated proteins in the cytosol and in organelles. It is also involved in the ubiquitin-proteasome pathway through interaction with the AU-rich element RNA-binding protein 1. The gene is located in the major histocompatibility complex class III region, in a cluster with two closely related genes which encode similar proteins.

## Recommended Dilutions

**WB** 1:2000 - 1:5000

## Immunogen Information

### Gene ID

3303

### Swiss Prot

P0DMV8

### Immunogen

A synthetic peptide of human HSP70/HSPA1

### Synonyms

HSP70; HSP72; HSPA1; HSP70I; HSP70-1; HSP70-2; HSP70.1; HSP70.2; HSP70-1A; HEL-S-103; HSP70/HSPA1

## Contact

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## Product Information

### Source

Mouse

### Isotype

IgM, Kappa

### Purification

Affinity purification

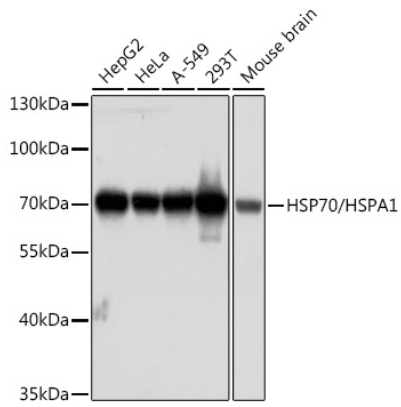
### Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH 7.3.

## Validation Data

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Western blot analysis of various lysates using HSP70/HSPA1 Mouse mAb (A1507) at 1:1000 dilution.  
Secondary antibody: HRP Goat Anti-Mouse IgG (H+L) (AS003) at 1:10000 dilution.  
Lysates/proteins: 25µg per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection: ECL Basic Kit (RM00020).  
Exposure time: 60s.