

## Anti-Hsp70 1A (1D9) Mouse Monoclonal Antibody

### Introduction

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.

### Product parameters

|                   |                                                                                 |
|-------------------|---------------------------------------------------------------------------------|
| Alternative Names | HSP72; HSPA1; HSP70I; HSPA1B; HSP70-1; HSP70-1A.                                |
| Gene ID           | 3303                                                                            |
| Gene Name         | HSPA1A                                                                          |
| SwissProt ID      | P0DMV8                                                                          |
| Host              | Mouse                                                                           |
| Reactivity        | Human, Mouse, Rat                                                               |
| Molecular Weight  | Calculated MW: 70 kDa; Observed MW: 70 kDa                                      |
| Conjugation       | Unconjugated                                                                    |
| Ex                | -                                                                               |
| Em                | -                                                                               |
| Modification      | Unmodified                                                                      |
| Clonality         | IgG1                                                                            |
| Isotype           | Monoclonal Antibody                                                             |
| Clonality No.     | AP-16G1B6                                                                       |
| Form              | Liquid                                                                          |
| Concentration     | See label                                                                       |
| Carrier           | Carrier Not Free                                                                |
| Immunogen         | Synthetic Peptide of HSP70                                                      |
| Purification      | Affinity Purified                                                               |
| Buffer System     | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3. |
| Application       | WB, IHC-F, IHC-P, ICC/IF                                                        |
| Dilution Ratio    | WB: 1/500-1/1000 IHC: 1/50-1/100 IF: 1/50-1/200                                 |
| Research Field    | Signal Transduction                                                             |

|                    |                                  |
|--------------------|----------------------------------|
| Product Categories | Primary antibody                 |
| Shipping           | Blue ice                         |
| Storage            | -20°C                            |
| Expiration Date    | 12 months                        |
| Note               | Please avoid freeze-thaw cycles. |



## Protocol

Configure the product according to the application range and recommended dilution ratio.

**\*Note:** The primary antibody dilution buffer options: WB - Primary Antibody Dilution Buffer (Cat. #: K1200, Not for HRP/AP conjugated antibodies), Immunostaining - Immunol Staining Primary Antibody Dilution Solution (Cat. #: K4655).

## Note

1. This product is for scientific research use only.



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