

Product datasheet for **TA346969**

HSP70-1A (HSPA1A) Mouse Monoclonal Antibody [Clone ID: 2D4-F7-C11]

Product data:

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| Product Type: | Primary Antibodies |
| Clone Name: | 2D4-F7-C11 |
| Applications: | IF, WB |
| Recommended Dilution: | WB: 1:1000, IF: 1:300 |
| Reactivity: | Human |
| Host: | Mouse |
| Isotype: | IgG1 |
| Clonality: | Monoclonal |
| Immunogen: | The immunogen for HSPA1A antibody: purified recombinant human Hsp70(N-terminus) protein fragments expressed in E.coli. |
| Formulation: | Purified mouse monoclonal in buffer containing 0.1M Tris-Glycine (pH 7.4, 150 mM NaCl) with 0.02% sodium azide, 50% glycerol |
| Purification: | Affinity purified |
| Conjugation: | Unconjugated |
| Storage: | Store at -20°C as received. |
| Stability: | Stable for 12 months from date of receipt. |
| Predicted Protein Size: | 70 kDa |
| Gene Name: | heat shock protein family A (Hsp70) member 1A |
| Database Link: | NP_005336 Entrez Gene 3303 Human P0DMV8 |

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.



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Synonyms: HEL-S-103; HSP70-1; HSP70-1A; HSP70.1; HSP70I; HSP72; HSPA1

Protein Pathways: Antigen processing and presentation, Endocytosis, MAPK signaling pathway, Prion diseases, Spliceosome