

bsm-33048M**[Primary Antibody]****HSP70 Mouse mAb****BioSS**
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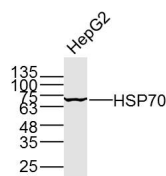
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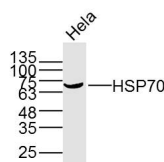
— DATASHEET —**Host:** Mouse**Isotype:** IgG**Clonality:** Monoclonal**CloneNo.:** 5G10**GeneID:** 3303**SWISS:** P0DMV8**Target:** HSP70**Purification:** affinity purified by Protein G**Concentration:** 1mg/ml

Storage: Size : 50ul/100ul/200ul
0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Size : 200ug (PBS only)
0.01M PBS
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

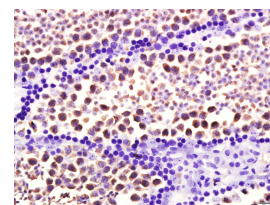
Background: This intronless gene encodes a 70kDa heat shock protein which is a member of the heat shock protein 70 family. In conjunction with other heat shock proteins, this protein stabilizes existing proteins against aggregation and mediates the folding of newly translated proteins in the cytosol 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. [provided by RefSeq, Jul 2008].

Applications: **WB** (1:500-1000)**IHC-P** (1:100-500)**IHC-F** (1:100-500)**IF** (1:100-500)**Reactivity:** Human, Mouse, Rat**Predicted MW.:** 70 kDa**Subcellular Location:** Cytoplasm**— VALIDATION IMAGES —**

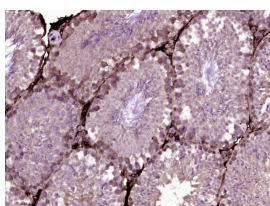
Sample: HepG2 Cell (Human) Lysate at 40 ug
Primary: Anti-HSP70 (bsm-33048M) at 1/1000
dilution Secondary: IRDye800CW Goat Anti-Mouse IgG at 1/20000 dilution Predicted band size: 70 kD Observed band size: 70 kD



Sample: HeLa Cell (Human) Lysate at 40 ug
Primary: Anti-HSP70 (bsm-33048M) at 1/1000
dilution Secondary: IRDye800CW Goat Anti-Mouse IgG at 1/20000 dilution Predicted band size: 70 kD Observed band size: 70 kD



Paraformaldehyde-fixed, paraffin embedded (Mouse testis); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (HSP70) Monoclonal Antibody, Unconjugated (bsm-33048M) at 1:400 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (Mouse testis); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal

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goat serum) at 37°C for 30min; Antibody incubation with (HSP70) Monoclonal Antibody, Unconjugated (ascites of bsm-33048M 5G10) at 1:2000 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.

— SELECTED CITATIONS —

- **[IF=9.4]** Haijiao Wang. et al. Catalase-positive Staphylococcus epidermidis based cryo-millineedle platform facilitates the photo-immunotherapy against colorectal cancer via hypoxia improvement. J COLLOID INTERF SCI. 2024 Dec;676:506 IF ;Mouse. 39047378
- **[IF=3.257]** Cui et al. Chronic Heat Stress Induces Immune Response, Oxidative Stress Response, and Apoptosis of Finishing Pig Liver: A Proteomic Approach. (2016) Int.J.Mol.Sc. 17 WB ;Pig. 27187351
- **[IF=2.8]** Meng-Hao Pan. et al. The formins inhibitor SMIFH2 inhibits the cytoskeleton dynamics and mitochondrial function during goat oocyte maturation. THERIOGENOLOGY. 2023 Nov;211:40 IF ;Sheep. 37562190