

**Product Name: HSP70 Mouse Monoclonal Antibody****Catalog #: AMM82792**

For research use only.

**Summary**

<b>Description</b>	Mouse monoclonal Antibody
<b>Host</b>	Mouse
<b>Application</b>	WB,IHC,ICC,ELISA,FC
<b>Reactivity</b>	Human, Monkey
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	Mouse IgG1
<b>Clonality</b>	Monoclonal
<b>Form</b>	Liquid
<b>Concentration</b>	1mg/ml
<b>Storage</b>	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
<b>Shipping</b>	Ice bags
<b>Buffer</b>	Purified antibody in PBS with 0.05% sodium azide
<b>Purification</b>	Affinity Purification

**Application**

<b>Dilution Ratio</b>	WB 1:500-1:2000,IHC 1:200-1:1000,ICC 1:200-1:1000,ELISA 1:5000-1:20000,FC 1:200-1:400
<b>Molecular Weight</b>	94.3kDa

**Antigen Information**

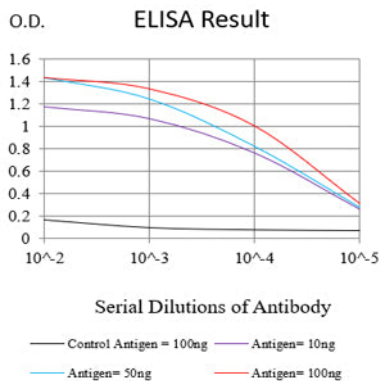
<b>Gene Name</b>	HSP70
<b>Alternative Names</b>	RY; APG-2; HSPH2; hsp70; hsp70RY; HEL-S-5a; HS24/P52
<b>Gene ID</b>	3308.0
<b>SwissProt ID</b>	P34932
<b>Immunogen</b>	Purified recombinant fragment of human HSP70 (AA: 642-841) expressed in mammalian.

**Background**

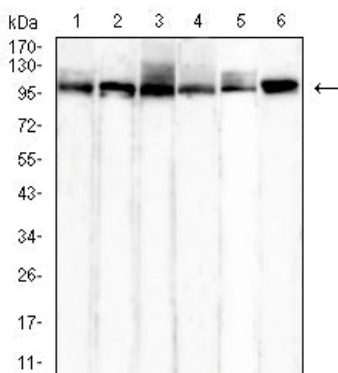
HSPA4 (Heat Shock Protein Family A (Hsp70) Member 4) is a Protein Coding gene. Diseases associated with HSPA4 include Vulvovaginitis and Babesiosis. Among its related pathways are Cellular response to heat stress and Mechanisms of CFTR activation by S-nitrosoglutathione (normal and CF). An important paralog of this gene is HSPA4L.

## Research Area

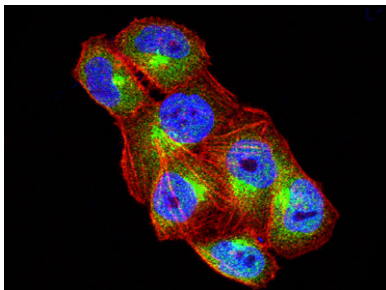
## Image Data



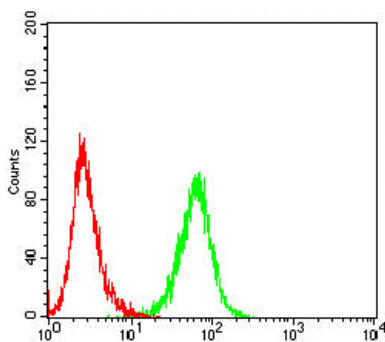
Black line: Control Antigen (100 ng); Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng)



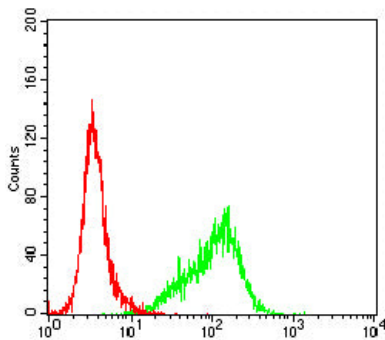
Western blot analysis using HSP70 mouse mAb against Hela (1), HepG2 (2), Hek293 (3), COS-7 (4), A549 (5) and Jurkat (6) cell lysate.



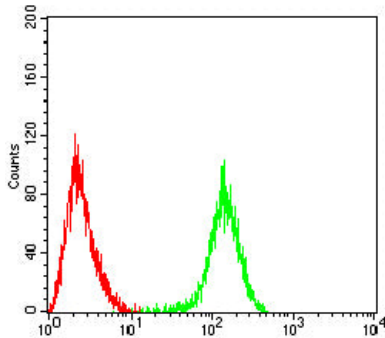
Immunofluorescence analysis of Hela cells using HSP70 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.



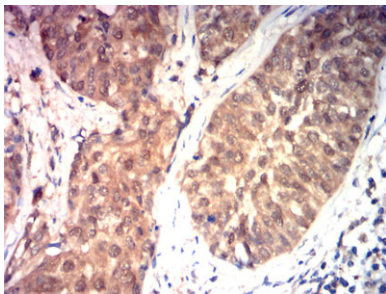
Flow cytometric analysis of Jurkat cells using HSP70 mouse mAb (green) and negative control (red).



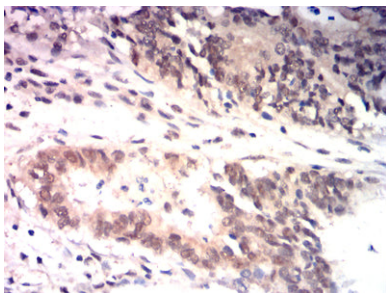
Flow cytometric analysis of K562 cells using HSP70 mouse mAb (green) and negative control (red).



Flow cytometric analysis of Raji cells using HSP70 mouse mAb (green) and negative control (red).



Immunohistochemical analysis of paraffin-embedded human bladder cancer tissues using HSP70 mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded human rectal cancer tissues using HSP70 mouse mAb with DAB staining.