

HSP70 Monoclonal Antibody

Description

Product type	Antibody
Code	BT-MCA3957
Host	Mouse
Isotype	Mouse IgG1
Size	100µL, 50µL
Immunogen	Purified recombinant fragment of human HSP70 (AA: 642-841) expressed in mammalian.
Mol wt	94.3kDa
Species reactivity	Others
Clonality	Monoclonal
Recommended application	WB,IHC,ICC,FCM
Concentration	N/A
Full name	N/A
Synonyms	RY;APG-2;HSPH2;hsp70;hsp70RY;HEL-S-5a;HS24/P52

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

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.

Recommended Dilution

WB: 1:500 - 1:2000

IHC-p: 1:200 - 1:1000

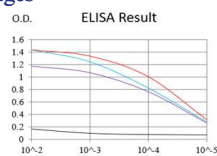
ICC: 1:200 - 1:1000

FCM: 1:200 - 1:400

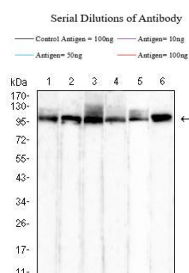
ELISA: 1:10000

Not yet tested in other applications.

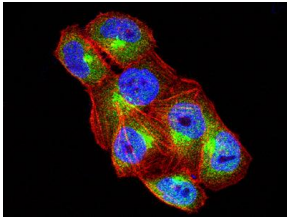
Images



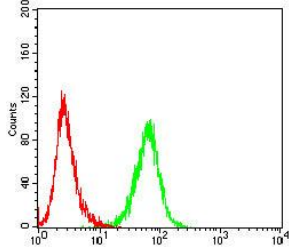
Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)



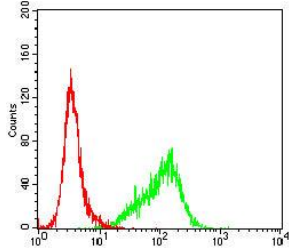
Western blot analysis using HSP70 mouse mAb against Hela (1), HepG2 (2),Hek293 (3),COS-7 (4),A549 (5) and Jurkat (6) cell lysate.



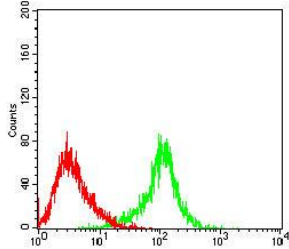
Immunofluorescence analysis of HeLa cells using HSP70 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor- 555 phalloidin. Secondary antibody from Fisher (Cat#: 35503)



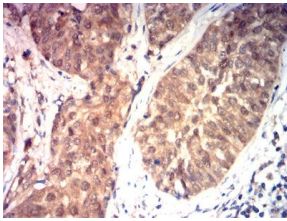
Flow cytometric analysis of Jurkat cells using HSP70 mouse mAb (green) and negative control (red).



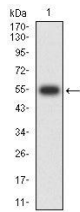
Flow cytometric analysis of K562 cells using HSP70 mouse mAb (green) and negative control (red).



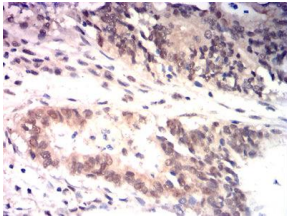
Flow cytometric analysis of Raji cells using HSP70 mouse mAb (green) and negative control (red).



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



Western blot analysis using HSP70 mAb against human HSP70 (AA: 642-841) recombinant protein. (Expected MW is 53.3 kDa)



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

Storage

Store at 4°C short term. Aliquot and store at -20°C long term.

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