

HSP70 Monoclonal Antibody

Description

Product type	Antibody
Code	BT-MCA2227
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,FCM
Concentration	N/A
Full name	N/A
Synonyms	RY;APG-2;HSPH2;HSPA4;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 Regulation of degradation of deltaF508 CFTR in CF and Chks in Checkpoint Regulation. An important paralog of this gene is HSPA4L.

Recommended Dilution

WB: 1:500 - 1:2000

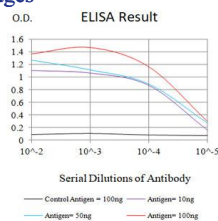
IHC-p: 1:200 - 1:1000

FCM: 1:200 - 1:400

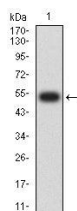
ELISA: 1:10000

Not yet tested in other applications.

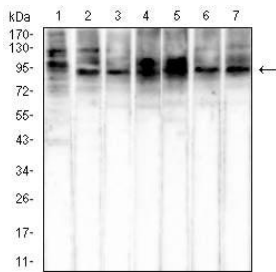
Images



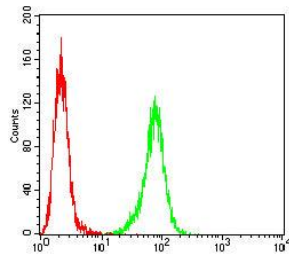
Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)



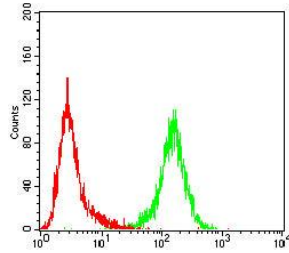
Western blot analysis using HSP70 mAb against human HSP70 (AA: 642-841) recombinant protein. (Expected MW is 53.3 kDa)



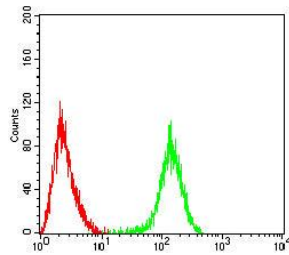
Western blot analysis using HSP70 mouse mAb against NIH/3T3 (1), HeLa (2), HepG2 (3), Hek293 (4), COS-7 (5), A549 (6), and Jurkat (7) cell lysate.



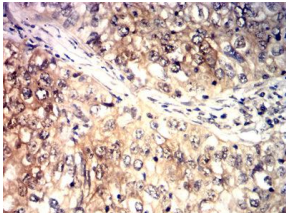
Flow cytometric analysis of HeLa cells using HSP70 mouse mAb (green) and negative control (red).



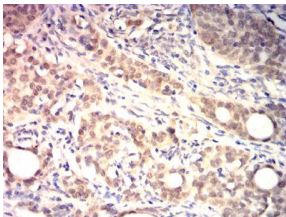
Flow cytometric analysis of Jurkat cells using HSP70 mouse mAb (green) and negative control (red).



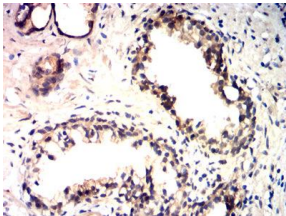
Flow cytometric analysis of Raji cells using HSP70 mouse mAb (green) and negative control (red).



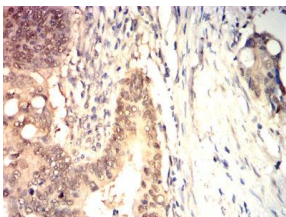
Immunohistochemical analysis of paraffin-embedded breast cancer tissues using HSP70 mouse mAb with DAB staining.



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



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



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

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

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