

Mouse anti-Human Hsp27/HSPB1 Monoclonal Antibody | anti-HSPB1 antibody

Anti-Hsp27/HSPB1 Antibody, Mouse Monoclonal

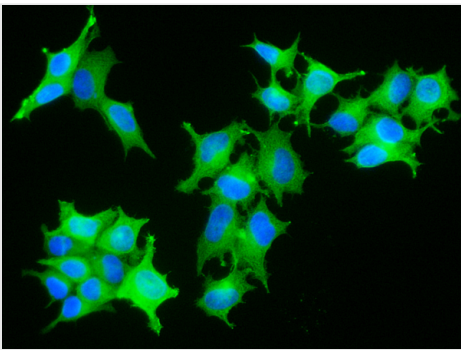
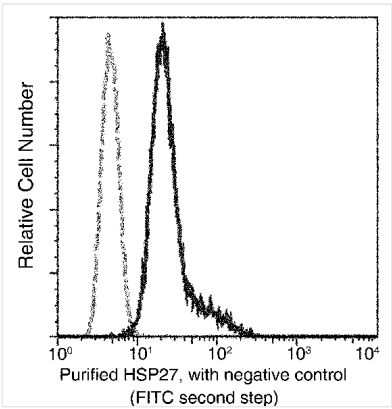
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA254857	Mouse	Human	Immunofluorescence, Immunocytochemistry, Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

Hsp27/HSPB1; Monoclonal Antibody; Anti-Hsp27/HSPB1 Antibody; Mouse Monoclonal; HSP27/HSPB1 Antibody; Mouse MAb; heat shock 27kDa protein 1; Anti-CMT2F Antibody; Anti-HEL-S-102 Antibody; Anti-HMN2B Antibody; Anti-HS.76067 Antibody; Anti-Hsp25 Antibody; Anti-HSP27 Antibody; Anti-HSP28 Antibody; Anti-SRP27 Antibody; anti-HSPB1 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	Mouse IgG1
Clone Number	09
Specificity	Human HSP27/HSPB1
Purity/Purification	Protein A
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-HSPB1 antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), FCM/FACS (Flow Cytometry)
Immunogen	Recombinant Human HSP27/HSPB1 protein
Conjugation	Unconjugated
Preparation	This antibody was produced from a hybridoma resulting from the fusion of a mouse myeloma with B cells obtained from a mouse immunized with purified, recombinant Human HSP27/HSPB1 (rh HSP27/HSPB1). The IgG fraction of the cell culture supernatant was purified by Protein A affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.



IF (Immunofluorescence)
Immunofluorescence staining of Human HSP27 in MCF7 cells. Cells were fixed with 4% PFA, permeabilized with 1% Triton X-100 in PBS, blocked with 10% serum, and incubated with mouse anti-Human HSP27 monoclonal antibody (1:60). Then cells were stained with the Alexa Fluor 488-conjugated Goat Anti-mouse IgG secondary antibody and countstained with DAPI (blue). Positive staining was localized to cytoplasm.

FCM/FACS (Flow Cytometry)
Flow cytometric analysis of Human HSP27 expression on HeLa cells. The cells were treated according to manufacturer's manual (BD Pharmingen[®]), stained with purified anti-Human HSP27, then a FITC-conjugated second step antibody. The fluorescence histograms were derived from gated events with the forward and side light-scatter characteristics of intact cells.

ADDITIONAL INFORMATION

Product Categories/Family for anti-HSPB1 antibody	Cancer Drug Targets; VEGF Signaling Pathway
---	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	4504519
NCBI GeneID	3316
NCBI Accession #	NP_001532.1
NCBI GenBank Nucleotide #	NM_001541.3
UniProt Accession #	Q16082; Q6I9U7
Molecular Weight	20,233 Da
NCBI Official Full Name	heat shock protein beta-2
NCBI Official Synonym Full Names	heat shock 27kDa protein 2
NCBI Official Symbol	HSPB2
NCBI Official Synonym Symbols	MKBP; HSP27; Hs.78846; LOH11CR1K
NCBI Protein Information	heat shock protein beta-2; DMPK-binding protein; heat-shock protein beta-2
UniProt Protein Name	Heat shock protein beta-2
UniProt Gene Name	HSPB2
UniProt Synonym Gene Names	HspB2; MKBP
UniProt Entry Name	HSPB2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.