

HSP27 Monoclonal Antibody (5D12-A12), FITC

Product Details	
Size	200 µg
Species Reactivity	Human
Host/Isotype	Mouse / IgG2b, kappa
Class	Monoclonal
Type	Antibody
Clone	5D12-A12
Conjugate	FITC
Excitation/Emission Max	498/517 nm
Immunogen	Full length human HSP27
Form	Liquid
Concentration	1 mg/mL
Purification	Protein G
Storage buffer	9.44mM PBS/9.1mM sodium bicarbonate, pH 7.2, with 581mM DMSO, 123mM ethanolamine
Contains	no preservative
Storage conditions	4° C, store in dark

Applications	Tested Dilution	Publications
Western Blot (WB)	1:2,000	-
Immunohistochemistry (IHC)	Assay-dependent	-
Immunocytochemistry (ICC/IF)	1:100	-
ELISA (ELISA)	Assay-dependent	-
Immunoprecipitation (IP)	Assay-dependent	-

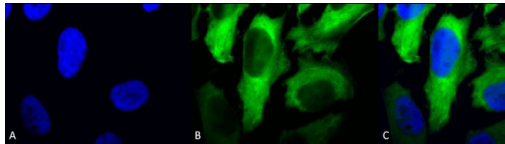
Product Specific Information

0.5 µg/mL of MA5-45206 was sufficient for detection of HSP27 in 10 µg of HeLa lysate by colorimetric immunoblot analysis using Goat anti-mouse IgG:HRP as the secondary antibody. | Detects approximately 27kDa. Has no cross-reactivity to Alpha B crystallin. Very limited cross-reactivity to other species.

Product Images For HSP27 Monoclonal Antibody (5D12-A12), FITC

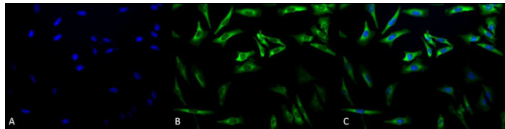
HSP27 Antibody (MA5-45206) in ICC/IF

Immunocytochemistry/Immunofluorescence analysis using human heat shocked cervical cancer cells. Fixation involved 2% Formaldehyde for 20 min at RT. Samples were incubated with Hsp27 monoclonal antibody (Product # MA5-45206) at 1:100 for 12 hours at 4°C, followed by FITC Goat Anti-Mouse (green) at 1:200 for 2 hours at RT. Counterstain used was DAPI (blue) nuclear stain at 1:40,000 for 2 hours at RT. Localization: Cytoplasm. Nucleus. Magnification: 100x. (A) DAPI (blue) nuclear stain. (B) Anti-Hsp27 antibody. (C) Composite. Heat Shocked at 42°C for 1h.



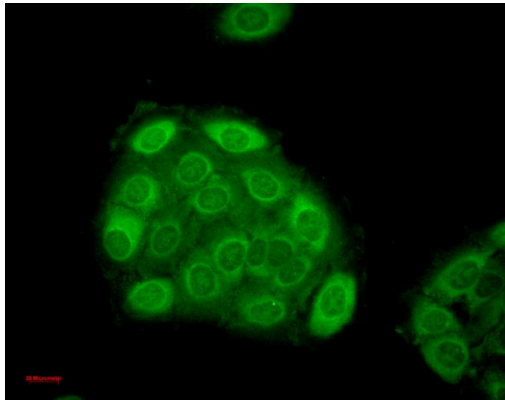
HSP27 Antibody (MA5-45206) in ICC/IF

Immunocytochemistry/Immunofluorescence analysis using human heat shocked cervical cancer cells. Fixation involved 2% Formaldehyde for 20 min at RT. Samples were incubated with Hsp27 monoclonal antibody (Product # MA5-45206) at 1:100 for 12 hours at 4°C, followed by FITC Goat Anti-Mouse (green) at 1:200 for 2 hours at RT. Counterstain used was DAPI (blue) nuclear stain at 1:40,000 for 2 hours at RT. Localization: Cytoplasm. Nucleus. Magnification: 20x. (A) DAPI (blue) nuclear stain. (B) Anti-Hsp27 antibody. (C) Composite. Heat Shocked at 42°C for 1h.



HSP27 Antibody (MA5-45206) in ICC/IF

Immunocytochemistry/Immunofluorescence analysis using HaCaT cells. Fixation involved Cold 100% methanol for 10 minutes at -20°C. Samples were incubated with Hsp27 monoclonal antibody (Product # MA5-45206) at 1:100 for 1 hour at RT, followed by FITC Goat Anti-Mouse (green) at 1:50 for 1 hour at RT. Localization: Dull heterogeneous staining, some perinuclear, some nuclear and some cytoplasmic staining.



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