

# HSP70/HSC70 Monoclonal Antibody (BB70), FITC

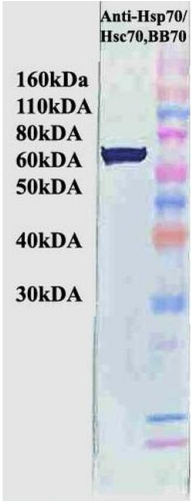
Product Details	
Size	200 µg
Species Reactivity	Bovine, Dog, Chicken, Fruit fly, Fish, Guinea pig, Hamster, Human, Mammal, Mouse, Sheep, Pig, Rabbit, Rat, Xenopus, Yeast
Host/Isotype	Mouse / IgG2a
Class	Monoclonal
Type	Antibody
Clone	BB70
Conjugate	FITC
Excitation/Emission Max	498/517 nm
Immunogen	Chicken HSP70/HSP90 complex
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)	1:1,000	-
Immunohistochemistry (Paraffin) (IHC (P))	1:200	-
Immunohistochemistry (PFA fixed) (IHC (PFA))	1:2,000	-
Immunocytochemistry (ICC/IF)	1:200	-
Immunoprecipitation (IP)	Assay-dependent	-

## Product Specific Information

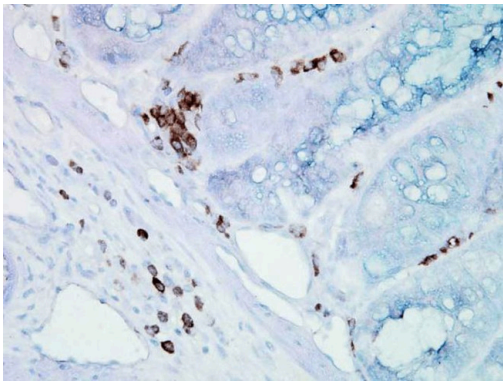
1 µg/mL of MA5-45100 was sufficient for detection of HSP70 and HSC70 in 20 µg of heat shocked HeLa cell lysate by colorimetric immunoblot analysis using Goat anti-mouse IgG:HRP as the secondary antibody.|Detects approximately 72 (HSP) and approximately 73kDa (HSC).

Product Images For HSP70/HSC70 Monoclonal Antibody (BB70), FITC



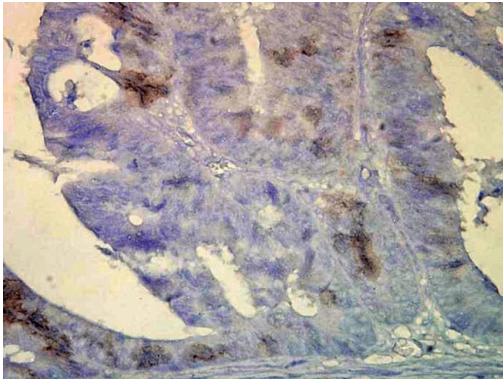
HSP70/HSC70 Antibody (MA5-45100) in WB

Western Blot analysis of Human Cervical cancer cell line (HeLa) lysate showing detection of Hsp70 protein. Samples were incubated with Hsp70 monoclonal antibody (Product # MA5-45100) at 1:1,000, followed by HRP Goat Anti-Rat.



HSP70/HSC70 Antibody (MA5-45100) in IHC (PFA)

Immunohistochemistry analysis using inflamed colon. Fixation involved formalin. Samples were incubated with Hsp70 monoclonal antibody (Product # MA5-45100) at 1:10,000 for 12 hours at 4°C, followed by Biotin Goat Anti-Mouse at 1:2,000 for 1 hour at RT. Counterstain used was Mayer Hematoxylin (purple/blue) nuclear stain at 200 µL for 2 minutes at RT. Localization: Inflammatory cells. Magnification: 40x. Inflammatory cells. HSP70/HSC70 stained brown. This image was produced using an amplifying IHC wash buffer. The antibody has therefore been diluted more than is recommended for other applications.



HSP70/HSC70 Antibody (MA5-45100) in IHC (PFA)

Immunohistochemistry analysis using colon carcinoma. Fixation involved formalin. Samples were incubated with Hsp70 monoclonal antibody (Product # MA5-45100) at 1:10,000 for 12 hours at 4°C, followed by Biotin Goat Anti-Mouse at 1:2,000 for 1 hour at RT. Counterstain used was Mayer Hematoxylin (purple/blue) nuclear stain at 200 µL for 2 minutes at RT. Localization: Inflammatory cells. Magnification: 40x. HSP70/HSC70 cells stained brown. This image was produced using an amplifying IHC wash buffer. The antibody has therefore been diluted more than is recommended for other applications.

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