

Product Datasheet

HSP70 Antibody (FITC) (orb376901)

Catalog Number	orb376901
Category	Antibodies
Description	Mouse monoclonal antibody against HSP70 conjugated to FITC.
Target	HSP70
Clonality	Monoclonal
Species/Host	Mouse
Isotype	IgG1
Conjugation	FITC
Reactivity	Bovine, Canine, Drosophila, Fish, Gallus, Guinea pig, Hamster, Human, Monkey, Mouse, Other, Porcine, Rabbit, Rat, Sheep
Concentration	1 mg/ml
Buffer/Preservatives	640.91mM DMSO, 136.36 mM Ethanolamine, 126.89 mM chlorides, 9.09mM phosphates, 9.09mM NaHCO ₃
Purification	Protein G Purified
Immunogen	Human HSP70
UniProt ID	P0DMV9, P0DMV8
MW	70kDa
Tested applications	AM, Blocking, ELISA, FACS, FC, ICC, IEM, IF, IHC, WB
Dilution range	WB (1:1000), IHC (1:10000), ICC/IF (1:1000), FACS (1:1000)

Biorbyt Ltd.

7 Signet Court, Swann Road
Cambridge
CB5 8LA
United Kingdom

Email: info@biorbyt.com, support@biorbyt.com

Phone: [+44 \(0\)1223 859353](tel:+44(0)1223859353) | Fax: [+1 \(415\) 651-8558](tel:+1(415)651-8558)

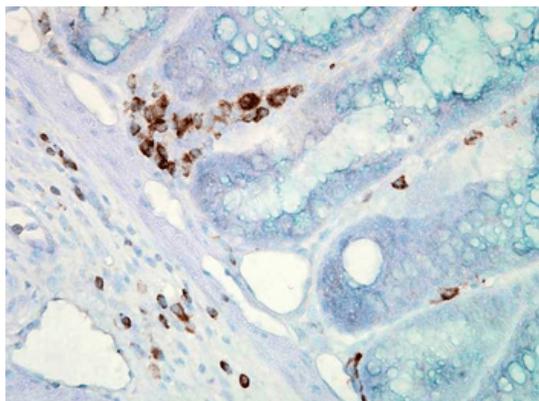
Biorbyt LLC

68 TW Alexander Drive
Research Triangle Park
Durham
NC 27713
United States

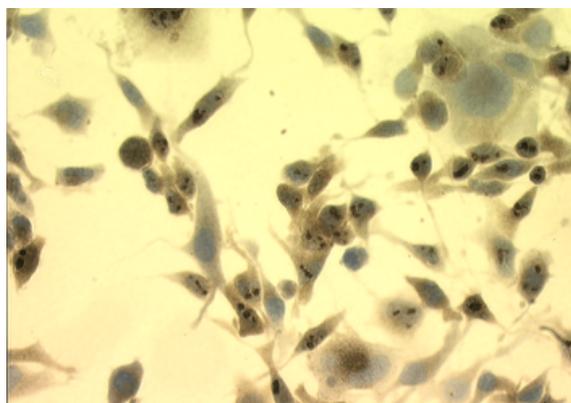
Email: info@biorbyt.com, support@biorbyt.com

Phone: [+1 \(415\) 906-5211](tel:+1(415)906-5211) | Fax: [+1 \(415\) 651-8558](tel:+1(415)651-8558)

Application notes	1 µg/ml of SMC-100 was sufficient for detection of HSP70 in 20 µg of heat shocked HeLa cell lysate by colorimetric immunoblot analysis using Goat anti-mouse IgG:HRP as the secondary antibody.
Specificity	Detects ~70kDa. Does not cross-react with HSC70 (HSP73).
Clone Number	C92F3A-5
Storage	Conjugated antibodies should be stored according to the product label
Note	For research use only
Entrez	3303
NCBI	NP_005336.3
Expiration Date	12 months from date of receipt.



Immunohistochemistry analysis using Mouse Anti-Hsp70 Monoclonal Antibody, Clone C92F3A-5. Tissue: colon carcinoma. Species: Mouse. Fixation: Formalin. Primary Antibody: Mouse Anti-Hsp70 Monoclonal Antibody at 1:10000 for 12 hours at 4°C. Secondary Antibody: Biotin Goat Anti-Mouse at 1:2000 for 1 hour at RT. Counterstain: Mayer Hematoxylin (purple/blue) nuclear stain at 200 µl for 2 minutes at RT. Localization: Inflammatory cells. Magnification: 40x.



Immunocytochemistry/Immunofluorescence analysis using Mouse Anti-Hsp70 Monoclonal Antibody, Clone C92F3A-5. Tissue: Heat Shocked Melanoma cells. Species: Mouse. Fixation: Formalin. Primary Antibody: Mouse Anti-Hsp70 Monoclonal Antibody at 1:1000 for 16 hours at RT. Secondary Antibody: Biotin Goat Anti-Mouse.

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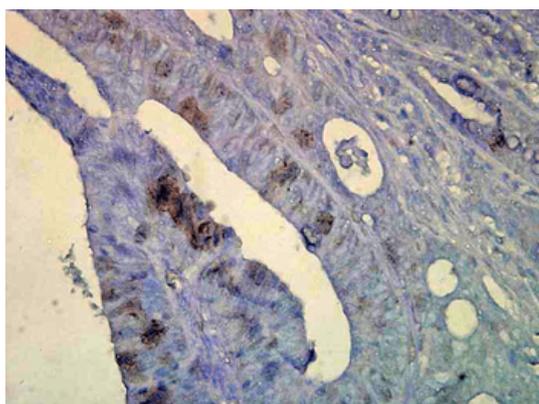
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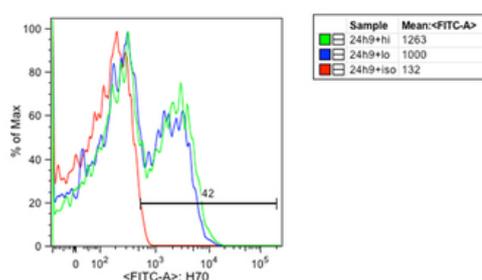
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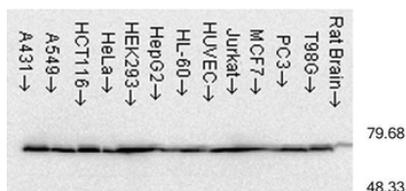


Immunohistochemistry analysis using Mouse Anti-Hsp70 Monoclonal Antibody, Clone C92F3A-5. Tissue: colon carcinoma. Species: Human. Fixation: Formalin. Primary Antibody: Mouse Anti-Hsp70 Monoclonal Antibody at 1:10000 for 12 hours at 4°C. Secondary Antibody: Biotin Goat Anti-Mouse at 1:2000 for 1 hour at RT. Counterstain: Mayer Hematoxylin (purple/blue) nuclear stain at 200 µl for 2 minutes at RT. Localization: Inflammatory cells. Magnification: 40x.



FACS analysis. Anti-Hsp70-FITC staining on heat shock treated CD3+CD8+ T cells

Fluorescence Activated Cell Sorting analysis using Mouse Anti-Hsp70: FITC Monoclonal Antibody, Clone C92F3A-5. Tissue: Heat Shocked CD3+ CD8+ T cells. Species: Mouse. Primary Antibody: Mouse Anti-Hsp70: FITC Monoclonal Antibody at 1:1000.



Western Blot analysis of Human cell lysates from various cell lines showing detection of Hsp70 protein using Mouse Anti-Hsp70 Monoclonal Antibody, Clone C92F3A-5. Load: 15 µg. Block: 1.5% BSA for 30 minutes at RT. Primary Antibody: Mouse Anti-Hsp70 Monoclonal Antibody at 1:1000 for 2 hours at RT. Secondary Antibody: Sheep Anti-Mouse IgG: HRP for 1 hour at RT.

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