

Product Datasheet

HSP70/HSPA1A Antibody (1H11)

NBP2-59339

Unit Size: 100 ug

Store at -20C.

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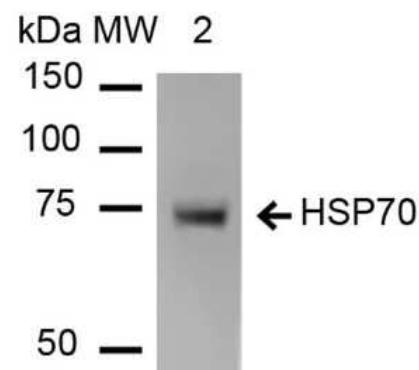
NBP2-59339**HSP70/HSPA1A Antibody (1H11)**

Product Information	
Unit Size	100 ug
Concentration	0.5 mg/ml
Storage	Store at -20C.
Clonality	Monoclonal
Clone	1H11
Preservative	0.09% Sodium Azide
Isotype	IgG1
Purity	Protein G purified
Buffer	PBS (pH 7.4), 50% Glycerol
Product Description	
Host	Mouse
Gene ID	3303
Gene Symbol	HSPA1A
Species	Human, Mouse, Rat, Porcine, Bovine
Specificity/Sensitivity	Binds the altered conformation of HSP70 embedded in the cell membrane and to intracellular HSP70 to a lesser extent.
Immunogen	Human native HSP70 protein
Product Application Details	
Applications	Western Blot, Flow Cytometry, Flow (Cell Surface), Immunocytochemistry/Immunofluorescence
Recommended Dilutions	Western Blot 1:1000, Flow Cytometry, Immunocytochemistry/Immunofluorescence 1:100, Flow (Cell Surface)

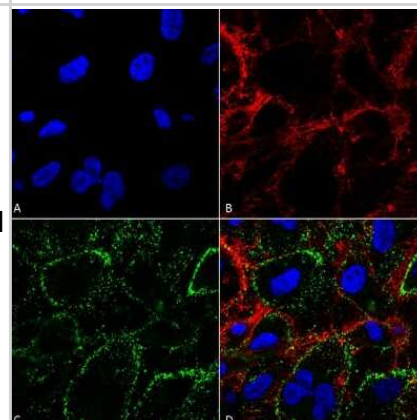


Images

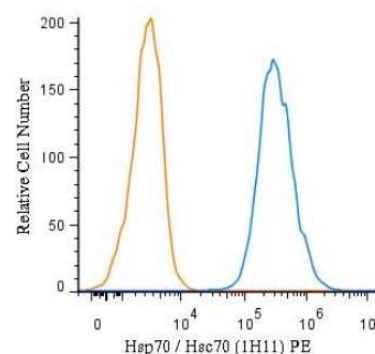
Western Blot: HSP70/HSPA1A Antibody (1H11) [NBP2-59339] - Analysis of Human Heat shocked HeLa cell lysates showing detection of HSP70 protein using Mouse Anti-HSP70 Monoclonal Antibody, Clone 1H11. Lane 1: Molecular Weight ladder (MW). Lane 2: HeLa cell lysates. Load: 20 ug. Primary Antibody: Mouse Anti-HSP70 Monoclonal Antibody at 1:1000.



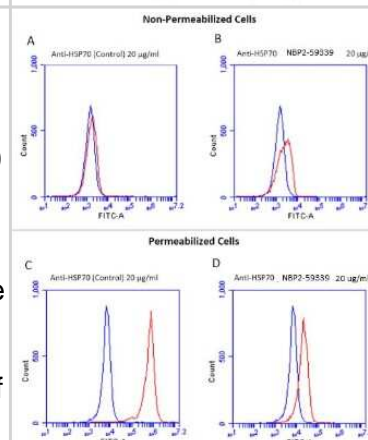
Immunocytochemistry/Immunofluorescence: HSP70/HSPA1A Antibody (1H11) [NBP2-59339] - Analysis on non-permeabilized HCT116 cells using Mouse Anti-HSP70 Monoclonal Antibody, Clone 1H11: FITC conjugate showing cell membrane staining. Tissue: HCT116 cells. Species: Human. Fixation: 4% Formaldehyde. Permeabilization: None. Primary Antibody: Mouse Anti-HSP70 Monoclonal Antibody at 1:100. Counterstain: Wheat germ agglutinin Texas red membrane marker; DAPI (blue) nuclear stain. Localization: Cell surface, cell membrane. (A) DAPI nuclear stain. (B) Wheat germ agglutinin Texas red. (C) HSP70 Antibody. (D) Composite. Courtesy of: Lawrence Hightower, Charles Giardina, and Didem Ozcan from University of Connecticut.



Flow (Cell Surface): HSP70/HSPA1A Antibody (1H11) [NBP2-59339] - A cell surface stain was performed on HeLa cells with Hsp70 / Hsc70 Antibody (1H11) NBP2-59339PE (blue) and a matched isotype control (orange). Cells were incubated in an antibody dilution of 5 ug/mL for 20 minutes at room temperature. Both antibodies were conjugated to Phycoerythrin.



Flow Cytometry: HSP70/HSPA1A Antibody (1H11) [NBP2-59339] - Hsp70 / Hsc70 Antibody (1H11) [NBP2-59339] - Clone 1H11: FITC conjugate. Tissue: Jurkat E6.1. Species: Human. Unfixed/non-permeabilized cells were incubated with (A) Anti-HSP70 control antibody (not cell-surface-specific), or (B) Anti-HSP70 antibody, clone 1H11 for 40 min at 4 degrees C. Fixed/permeabilized cells were incubated with (C) Anti-HSP70 control antibody, or (D) Anti-HSP70 antibody, clone 1H11 or 40 min at 4 degrees C. Analysis shows that non-permeabilized cells show cell surface binding with 1H11 clone (NBP2-59339) but not with the control antibody, and the permeabilized cells show strong intracellular binding with the control antibody but much less with 1H11 clone (NBP2-59339). Courtesy of: Dr. Elyse Ireland, Institute of Medicine, University of Chester.





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NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)

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