

Product Datasheet

HSP70/HSPA1A Antibody (1H11) - BSA Free NBP2-59339

Unit Size: 100 ug

Store at -20C.

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NBP2-59339

HSP70/HSPA1A Antibody (1H11) - BSA Free

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

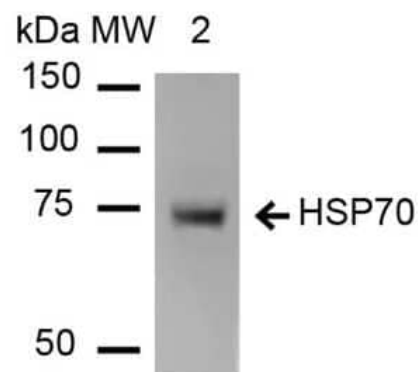
Product Description	
Description	Novus Biologicals Mouse HSP70/HSPA1A Antibody (1H11) - BSA Free (NBP2-59339) is a monoclonal antibody validated for use in WB, Flow and ICC/IF. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	3303
Gene Symbol	HSPA1A
Species	Human, 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)

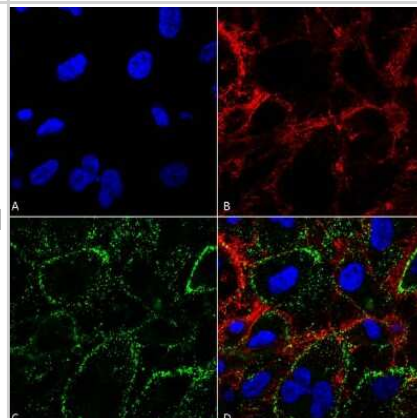


Images

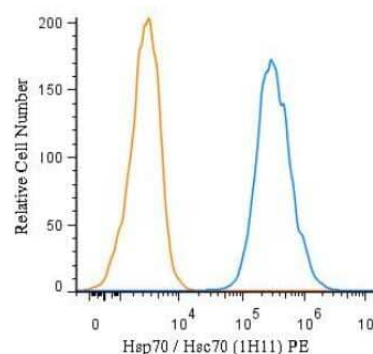
Western Blot: HSP70/HSPA1A Antibody (1H11) [NBP2-59339] - Analysis of Human Heat shocked HeLa cell lysates showing detection of HSP70 protein using Mouse Anti-HSP70 Monoclonal Antibody, Clone 1H11. Lane 1: Molecular Weight ladder (MW). Lane 2: HeLa cell lysates. Load: 20 ug. Primary Antibody: Mouse Anti-HSP70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



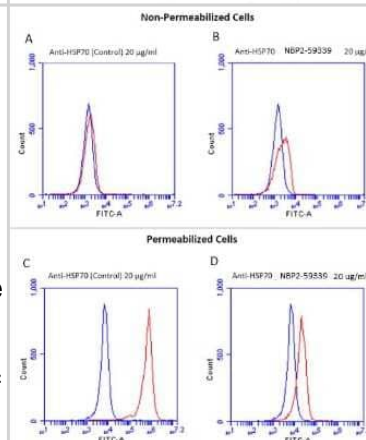
Immunocytochemistry/Immunofluorescence: HSP70/HSPA1A Antibody (1H11) [NBP2-59339] - Analysis on non-permeabilized HCT116 cells using Mouse Anti-HSP70 Monoclonal Antibody, Clone 1H11: FITC conjugate showing cell membrane staining. Tissue: HCT116 cells. Species: Human. Fixation: 4% Formaldehyde. Permeabilization: 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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Products Related to NBP2-59339

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NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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