

Purified anti-Hsp70

Catalog # / Size: 648001 / 25 µg
648002 / 100 µg

Clone: W27

Isotype: Mouse IgG2a, κ

Immunogen: Recombinant Hsp70 protein

Reactivity: Human, **Cross-Reactivity:** Mouse

Preparation: The antibody was purified by affinity chromatography.

Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.

Storage: The antibody solution should be stored undiluted at 4°C.

Applications:

Applications: WB, ICFC - *Quality tested*

Recommended Usage: Each lot of this antibody is quality control tested by Western blotting. For Western blotting, the suggested use of this reagent is 0.25-1.0 µg per ml. It is recommended that the reagent be titrated for optimal performance for each application.

Description: Hsp70 is a member of the Hsp family of highly conserved proteins that play a role in a number of important functions. Their synthesis is increased upon environmental stress. They function by acting as molecular chaperones, facilitating protein refolding and preventing protein aggregation. It has been reported that extracellular Hsp70 also exhibits immunomodulatory effects on innate and acquired immunity.

Antigen References:

1. Sharma D, *et al.* 2009. *Protein Peptide Lett.* 16:571.
2. Johnson JD, *et al.* 2006. *J. Leuk. Biol.* 79:425.
3. Bukau B, *et al.* 1998. *Cell* 92:351.

Related Products:

Product
HRP Goat anti-mouse IgG (minimal x-reactivity)
Purified Mouse IgG2a, κ Isotype Ctrl

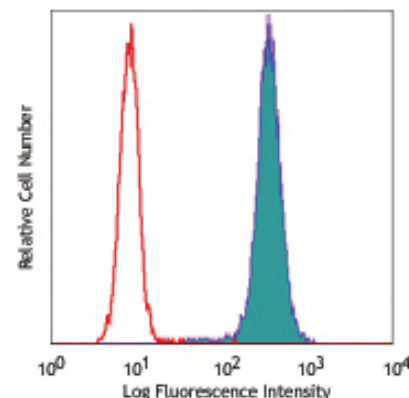
Clone

Poly4053
MOPC-173

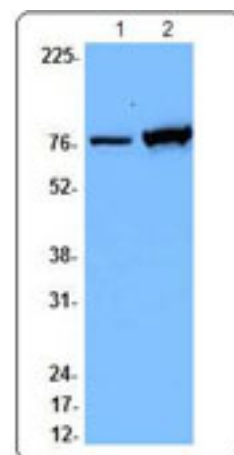
Application

ELISA, IHC, WB
FC, ICC, IF, IHC, IP, WB
FC, ICC, ICFC
FC, ICFC

Cell Staining Buffer
RBC Lysis Buffer (10X)



Human cervical cancer cell line, HeLa, intracellularly stained with purified W27 conjugated with PE.



NIH/3T3 (lane 1) and Hela (lane 2) cell lysate were resolved by electrophoresis, transferred to nitrocellulose and probed with monoclonal anti-Hsp70 antibody. Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and a chemiluminescence system.



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