

Product datasheet for TA327943

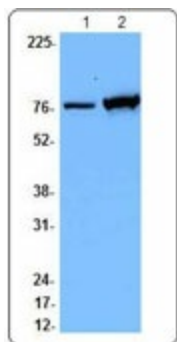
HSPA4 Mouse Monoclonal Antibody [Clone ID: W27]

Product data:

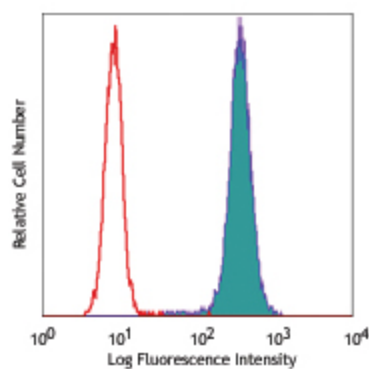
Product Type:	Primary Antibodies
Clone Name:	W27
Applications:	FC, WB
Recommended Dilution:	WB, ICFC
Reactivity:	Human, Mouse
Host:	Mouse
Isotype:	IgG2a, kappa
Clonality:	Monoclonal
Immunogen:	Hsp70 protein from HeLa cells.
Formulation:	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.
Purification:	The antibody was purified by affinity chromatography.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	heat shock protein family A (Hsp70) member 4
Database Link:	NP_002145 Entrez Gene 15525 Mouse Entrez Gene 3308 Human P34932
Background:	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.
Synonyms:	APG-2; HEL-S-5a; HS24; hsp70; hsp70RY; HSPH2; P52; RY
Protein Families:	Druggable Genome, ES Cell Differentiation/IPS
Protein Pathways:	Antigen processing and presentation


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Product images:



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.



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