

Mouse Hsp70 Monoclonal Antibody

Anti-Hsp70 Monoclonal Antibody

CATALOG #	HOST	APPLICATIONS
AAA47645	Mouse	Immunoprecipitation, Immunohistochemistry, Immunoblot, Western Blot, Flow Cytometry, Functional Assay, ELISA

PRODUCT SYNONYMS

Hsp70; Monoclonal Antibody; Anti-Hsp70 Monoclonal Antibody; anti-Hsp70 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Specificity	Hsp70 [Mouse monoclonal antibody to Hsp70] This antibody recognizes Hsp70 of human, mouse, rat, rabbit, monkey, guinea pig, hamster, chicken, bovine, canine, ovine, porcine, fish, Drosophila, and C. elegans and does not cross-react with Hsc70. The epitope is in the region of amino acids 436-503 of human Hsp70.
Form/Format	100ug in PBS, pH 7.4, purified by Protein G affinity chromatography.
Sequence Length	608
Applicable Applications for anti-Hsp70 antibody	IP (Immunoprecipitation), IHC (Immunohistochemistry), IB (Immunoblot), FCM/FACS (Flow Cytometry), ELISA
Antigen	Human Hsp70 purified from HeLa cells.
Preservatives	0.1% sodium azide.
Dilutions Instructions	Dilute in PBS or medium which is identical to that used in the assay system.
Preparation and Storage	This antibody is stable for at least one (1) year at -20 degree C. Avoid multiple freeze-thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for anti-Hsp70 antibody	Hsp70 genes, members of a multigene family, encode heat-inducible 70kDa heat-shock proteins that function as molecular chaperones. They have been identified in most organelles of eukaryotic cells as well as in bacteria. The N-terminus of Hsp70 binds ATP with high affinity and the C-terminus binds proteins and polypeptides. Hsp70s bind nascent polypeptides as well as partially folded intermediates of proteins, thus preventing their aggregation and/or misfolding. Binding of ATP triggers a conformational change that results in the release of bound protein. Hsp70s function in protein synthesis, protein folding and oligomerization, and protein transport.
Product Categories/Family for anti-Hsp70 antibody	Heat Shock and Stress Proteins

NCBI AND UNIPROT INFORMATION

NCBI GI #	476003
UniProt Accession #	Q40058
Molecular Weight	67,016 Da
NCBI Official Full Name	HSP70

UniProt Protein Name	HSP70
UniProt Entry Name	Q40058_HORVU

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/hsp70-antibody-immunoprecipitation-immunohistochemistry-immunoblot-flow-cytometry-elisa/47645>