

Mouse anti-Human Hsp60 Monoclonal Antibody | anti-Hsp60 antibody

Hsp60 Mouse mAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA62404	Mouse	Human	Flow Cytometry, Functional Assay, Immunoprecipitation, Western Blot

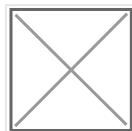
PRODUCT SYNONYMS

Hsp60; Monoclonal Antibody; Hsp60 Mouse mAb; 60 kDa chaperonin; 60 kDa heat shock protein; mitochondrial; Chaperonin 60; CPN60; GROEL; heat shock 60kD protein 1 (chaperonin); heat shock 60kDa protein 1; heat shock 60kDa protein 1 (chaperonin); Heat shock protein 60; heat shock protein 60 (liver); heat shock protein 65; heat shock protein; 60 kDa; HLD4; HSP-60; HSP-65; HSP65; HuCHA60; Mitochondrial matrix protein P1; Mytonin Chaperone 60; P60 lymphocyte protein; short heat shock protein 60 Hsp60s1; SPG13; 60kDa; HSP60; HSPD1; Hspd1-30p; anti-Hsp60 antibody

PRODUCT SPECIFICATIONS

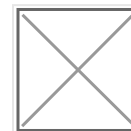
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG
Sequence Length	573
Applicable Applications for anti-Hsp60 antibody	FCM/FACS (Flow Cytometry), IP (Immunoprecipitation), WB (Western Blot)
Source Note	This monoclonal antibody is produced by immunizing mice with a sythetic peptide(KLH coupled)corresponding to amino-terminal residues of human Hsp60
Preparation and Storage	Store at -20 degree C. Stable for one year from the date of shipment.

IMAGES



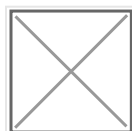
FCM/FACS (Flow Cytometry)

Flow cytometric analysis of 2% paraformaldehyde-fixed Jurkat (Human T cell leukemia cells from peripheral blood) cells labeling Ch60 with M25002 at 1/200 dilution (green) compared with a mouse monoclonal IgG isotype control (black) and an unlabelled control (cells without incubation with primary antibody, blue). Goat anti-mouse IgG (FITC) at 1/300 dilution was used as the secondary antibody.



IP (Immunoprecipitation)

Ch60 was immunoprecipitated from 1mg of Jurkat cells membrane fraction, blotted with M25002 of 10 ug. Western blot was performed from the immunoprecipitate using M25002 at 1/2000 dilution. Anti-Mouse-IgG(HRP), specific to the non-reduced form of IgG, was used as secondary antibody at 1/10000 dilution. Lane 1: Jurkat cells membrane fraction. Lane2: IP product of Jurkat cells membrane fraction.Blocking and dilution buffer and concentration:5% milk/TBST.



WB (Western Blot)

All lanes : Ch60 Mouse mAb at 1/2000 dilution Lane 1 : Jurkat cells membrane fraction Lane 2 : THP1 cells membrane fraction Lysates/proteins at 20 ug per lane. Secondary Goat Anti-Mouse IgG-HRP, 5% milk conjugated at 1/10000 dilution Predicted band size : 61 KDa
Observed band size : 61 KDa Blocking/Dilution buffer : 1x TBST

ADDITIONAL INFORMATION

Related Product Information for anti-Hsp60 antibody	This gene encodes a member of the chaperonin family. The encoded mitochondrial protein may function as a signaling molecule in the innate immune system. This protein is essential for the folding and assembly of newly imported proteins in the mitochondria. This gene is adjacent to a related family member and the region between the 2 genes functions as a bidirectional promoter. Several pseudogenes have been associated with this gene. Two transcript variants encoding the same protein have been identified for this gene. Mutations associated with this gene cause autosomal recessive spastic paraplegia 13.
Product Categories/Family for anti-Hsp60 antibody	Cell Marker; Subcellular Marker; Membrane

NCBI AND UNIPROT INFORMATION

NCBI GI #	31542947
NCBI GeneID	3329
NCBI Accession #	NP_002147.2
NCBI GenBank Nucleotide #	NM_002156.4
UniProt Accession #	P10809; Q38L19; Q9UCR6; B2R5M6; B7Z712
Molecular Weight	Predicted MW: 61kDa
NCBI Official Full Name	60 kDa heat shock protein, mitochondrial
NCBI Official Synonym Full Names	heat shock protein family D (Hsp60) member 1
NCBI Official Symbol	HSPD1
NCBI Official Synonym Symbols	HLD4; CPN60; GROEL; HSP60; HSP65; SPG13; HSP-60; HuCHA60
NCBI Protein Information	60 kDa heat shock protein, mitochondrial
UniProt Protein Name	60 kDa heat shock protein, mitochondrial
UniProt Gene Name	HSPD1
UniProt Synonym Gene Names	HSP60; CPN60; HSP-60; Hsp60

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/hsp60-antibody-flow-cytometry-immunoprecipitation-western-blot-elisa/62404>