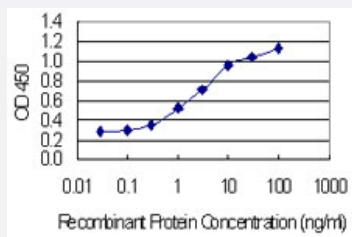


HSPA8 monoclonal antibody (M01), clone 1G2

Catalog # H00003312-M01

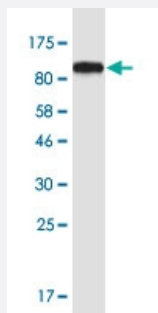
Size 100 ug

Applications



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged HSPA8 is 0.1 ng/ml as a capture antibody.



Western Blot detection against Immunogen (96.8 KDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a full-length recombinant HSPA8.

Immunogen

HSPA8 (AAH16660, 1 a.a. ~ 646 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Sequence	MSKGPVAGIDLGTTYSCVGVFQHGKVEIANDQQGNRTTPSYAFTDTERLIGDAAKNQVAMNPTNT VFDAKRLIGRRFDDAVVQSDMKHWPFMVVNDAGRPKVQVEYKGETKSFYEEVSSMVLTKMKE IAEAYLGKTVTNAVVTVPAYFNDSQRQATKDAGTIAGLNLRIINEPTAAAAYGLDKKVGAERNVLIF DLGGGTDFDVSILTIEDGIFEVKSTAGDTHLGGEDFDNRMVNHFAEFKRKHKKDISENKRAVRLRT ACERAKRTLSSSTQASIEIDSLYEGIDFYTSITRARFEELNADLFRGTLDPVEKALRDAKLDKSQIHDI VLVGGSTRIPKIQKLLQDFFNGKELNKSINPDEAVAYGAAVQAAILSGDKSENVQDLLLLDVTPLSL GIETAGGVMTVLIKRNNTIPTKQTQTFTTYSNQPVGVLIQVYEGERAMTKDNNLLGKFELTGIPPAPR GVPQIEVTFDIDANGILNVSVDKSTGKENKITITNDKGRLSKEDIERMVQEAKEYKADEKQRDKV SSKNSLESYAFNMKATVEDEKLQKINDEDKQKILDKCNEIINWLDKNQTAEKEEFEHQKKELEK VCNPIITKLYQSAGGMPGGMPGGFPGGGAPPSGGASSGPTIEEVD
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (99); Rat (99)
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (96.8 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged HSPA8 is 0.1 ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — HSPA8

Entrez GeneID [3312](#)

GeneBank Accession# [BC016660](#)

Protein Accession#	AAH16660
Gene Name	HSPA8
Gene Alias	HSC54, HSC70, HSC71, HSP71, HSP73, HSPA10, LAP1, MGC131511, MGC29929, NIP71
Gene Description	heat shock 70kDa protein 8
Omim ID	600816
Gene Ontology	Hyperlink
Gene Summary	The product encoded by this gene belongs to the heat shock protein 70 family which contains both heat-inducible and constitutively expressed members. The latter are called heat-shock cognate proteins. This gene encodes a heat-shock cognate protein. This protein binds to nascent polypeptide chains to facilitate correct folding. It also functions as an ATPase in the disassembly of clathrin-coated vesicles during transport of membrane components through the cell. Two alternatively spliced variants have been characterized to date. [provided by RefSeq]
Other Designations	LPS-associated protein 1 N-myristoyltransferase inhibitor protein 71 constitutive heat shock protein 70 heat shock 70kD protein 8 heat shock 70kd protein 10 heat shock cognate protein 54 heat shock cognate protein, 71-kDa lipopolysaccharide-associated protein

Pathway

- [Antigen processing and presentation](#)
- [Endocytosis](#)
- [MAPK signaling pathway](#)

Disease

- [Alzheimer disease](#)
- [Aneurysm](#)
- [Aortic Aneurysm](#)
- [Asthma](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Cognition](#)

- [Coronary Disease](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Hypertension](#)
- [Infant](#)
- [Kidney Failure](#)
- [Lung Neoplasms](#)
- [Metabolic Syndrome X](#)
- [Renal Insufficiency](#)
- [Werner syndrome](#)