

## Product datasheet for **TA346968S**

### Hsp60 (HSPD1) Mouse Monoclonal Antibody [Clone ID: 6C8-G1-B10]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	6C8-G1-B10
Applications:	IF, IP, WB
Recommended Dilution:	WB: 1:1000, IF: 1:100, IP: 1:100
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG2b
Clonality:	Monoclonal
Immunogen:	The immunogen for HSP60 antibody: purified recombinant human Hsp60 protein fragments expressed in E.coli.
Formulation:	Purified mouse monoclonal antibody in PBS(pH 7.4) containing with 0.02% sodium azide and 50% glycerol.
Purification:	Affinity purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	60 kDa
Gene Name:	heat shock protein family D (Hsp60) member 1
Database Link:	<a href="#">NP_002147</a> <a href="#">Entrez Gene 15510 Mouse</a> <a href="#">Entrez Gene 63868 Rat</a> <a href="#">Entrez Gene 3329 Human</a> <a href="#">P10809</a>



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<b>Background:</b>	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. [provided by RefSeq, Jun 2010]
<b>Synonyms:</b>	CPN60; GROEL; HLD4; HSP-60; HSP60; HSP65; HuCHA60; SPG13
<b>Protein Families:</b>	Druggable Genome, Stem cell - Pluripotency
<b>Protein Pathways:</b>	RNA degradation, Type I diabetes mellitus