HSP60 monoclonal antibody (LK-2)

Hsp60 is a member of the chaperonin family of heat shock proteins, with homologs functioning in the cytosol and mitochondria to fold nascent and aggregated proteins. Hsp60 is the eukaryotic homolog of the *E. coli* GroEL protein, and forms a multimeric complex in the mitochondria with Hsp10 (Cpn10) to form a large central cavity in which ATP-dependent protein folding takes place. TRiC/CCT, a eukaryotic relative of Hsp60, is expressed in the cytosol and participates in the folding of actin and tubulin substrates, but lacks any association with an Hsp10-like co-factor.

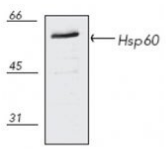
This antibody is covered by our Worry-Free Guarantee.

Citations: 36 View Online »

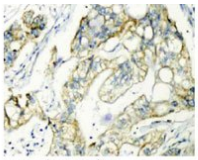
Ordering Information Order Online »

ADI-SPA-807-E	100µg

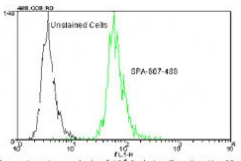
Manuals, SDS & CofA View Online »



Western blot analysis of pig kidney ESK-4 (heat shocked) cell lysate, probed with Hsp60 mAb (LK-2)



Human colon cancer tissue immunohistochemically stained using Hsp60 Monoclonal Antibody (LK-2)



Flow cytometry analysis of 10^6 Jurkat cells using Hsp60 Monoclonal Antibody (LK-2), DyLight™ 488 Conjugate at a concentration of 50 µg/mL

Handling & Storage

Long Term Storage	-20°C
Shipping	Blue Ice

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	Chaperonin 60, CPN60, HspD1, heat shock protein 60
Application	ELISA, Flow Cytometry, IHC, IP, WB
Application Notes	Detects a band of ~60kDa by Western blot.
Clone	LK-2
Formulation	Liquid. In PBS, pH 7.2, containing 0.1mM PMSF and 50% glycerol.
GenBank ID	M34664
Host	Mouse
Immunogen	Recombinant human HSP60.
Isotype	IgG1
Purity Detail	Protein G affinity purified.
Recommendation Dilutions/Conditions	Flow Cytometry (10µg/ml)Suggested dilutions/conditions may not be available for all applications.Optimal conditions must be determined individually for each application.
Source	Purified from ascites.
Species Reactivity	Bovine, C. elegans, Chicken, Dog, Ehrlichia sennetsu, Guinea pig, Hamster, Human, Monkey, Mouse, Plant, Porcine, Rabbit, Rat
UniProt ID	P10809

Worry-free Guarantee

This antibody is covered by our Worry-Free Guarantee .

Last modified: May 29, 2024

ENZO LIFE SCIENCES, INC.
Phone: 800.942.0430
info-usa@enzolifesciences.com

European Sales Office
ENZO LIFE SCIENCES (ELS) AG
Phone: +41 61 926 8989
info-eu@enzolifesciences.com

Belgium, The Netherlands & Luxembourg
Phone: +32 3 466 0420
info-be@enzolifesciences.com

France
Phone: +33 472 440 655
info-fr@enzolifesciences.com

Germany
Phone: +49 7621 5500 526
info-de@enzolifesciences.com

UK & Ireland
Phone (UK customers): 0845 601 1488
Phone: +44 1392 825900
info-uk@enzolifesciences.com

For local distributors and detailed product information visit us online: enzo.com All product names, logos, and brands are the property of their respective owners.