Anti-Hsp90 Mouse mAb

Purified Recombinant Mouse Monoclonal Antibody

Catalog # M011208

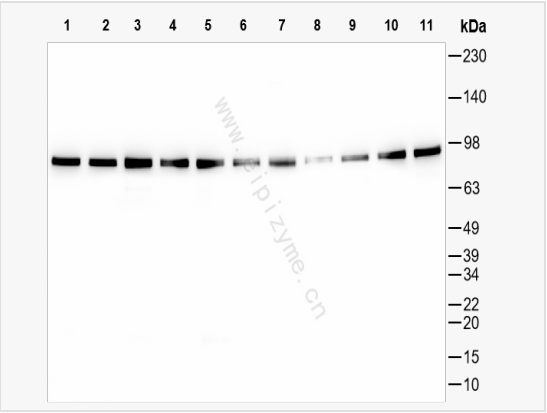
Product Information

Application	WB, IF (Cell)/ICC, ELISA
Reactivity	Human, Mouse, Rat
Dilution	WB 1:1,000~1:2,000; IF 1:100~1:200
Host	Mouse
Clonality	Monoclonal
Clone No.	91M01L08
Isotype	IgG
Label	Unconjugated
Immunogen	Recombinant protein of human Hsp90
Format	Affinity purified monoclonal antibody supplied in PBS with 0.02% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-Hsp90 Mouse mAb [91M01L08] is for research use only and not for use in diagnostic or therapeutic procedures.

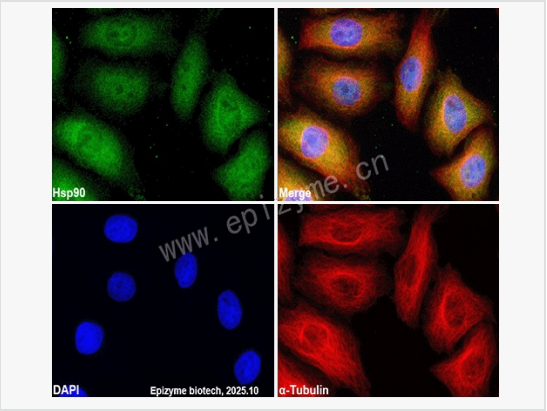
Protein Information

Synonyms	EL52; HEL-S-65p; HSP86; HSP89A; HSP90A; HSP90N; HSPC1; HSPCA; HSPCAL1; HSPCAL4; HSPN; Hsp103; Hsp89; Hsp90; LAP-2; LAP2; 86kDa; 89kDa; Hsp86-1; hsp4; HS90A_HUMAN; HSP90AA1; Heat shock 86 kDa (HSP 86 | HSP86); Heat shock protein family C member 1; Lipopolysaccharide-associated protein 2 (LAP-2 | LPS-associated protein 2); Renal carcinoma antigen NY-REN-38; 3.6.4.10; HS90A_MOUSE; Tumor-specific transplantation 86 kDa antigen (TSTA); HS90A_RAT.
Calculated MW	Calculated MW: 85 kDa; Observed MW: 95 kDa
Uniprot ID	P07900
Gene ID	3320
Background	The protein encoded by this gene is an inducible molecular chaperone that functions as a homodimer. The encoded protein aids in the proper folding of specific target proteins by use of an ATPase activity that is modulated by co-chaperones. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jan 2012]
Cellular Location	Nucleus Cytoplasm Melanosome Cell membrane Mitochondrion Identified by mass spectrometry in melanosome fractions from stage I to stage IV.

Validation Images



Western Blot - Anti-Hsp90 Mouse mAb [91M01L08]
All lanes: M011208 at 1:1,000 dilution
Lane 1: HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysates
Lane 2: HepG2 (Human hepatocarcinoma epithelial cell) whole cell lysates
Lane 3: HCT116 (Human colorectal carcinoma epithelial cell) whole cell lysates
Lane 4: MCF-7 (human breast adenocarcinoma epithelial cell) whole cell lysates
Lane 5: 293T (Human embryonic kidney cell) whole cell lysates
Lane 6: U87 (Human malignant glioblastoma epithelial cells) whole cell lysates
Lane 7: Raw264.7 (Mouse mononuclear macrophage leukemia cell) whole cell lysates
Lane 8: Mouse brain whole tissue lysates
Lane 9: Mouse liver whole tissue lysates
Lane 10: PC-12 (Rat adrenal pheochromocytoma epithelial cell) whole cell lysates
Lane 11: Rat brain whole tissue lysates
Lysates/proteins at 10 µg per lane.
Secondary antibody: Goat Anti-Mouse IgG(H+L), HRP Conjugated (Cat. No. LF101) at 1:5,000 dilution
Predicted band size: 85 kDa
Observed band size: 95 kDa
Developed using the ECL technique (Cat. No. SQ201).



Immunofluorescence - Anti-Hsp90 Mouse mAb [91M01L08]
Sample: HeLa cells
The cells were fixed with 4% paraformaldehyde (10 min), permeabilized with 0.5% Triton X-100 for 10 minutes and then blocked with 5% BSA in 0.1% PBS-Tween for 0.5 hours.
Primary antibody: M011208 at 1:100 dilution and and α-tubulin Rabbit Monoclonal Antibody (Cat. No. LF213) at 1:100 dilution
Secondary antibody: Goat anti-Mouse (488) at 1:1,000 dilution (shown in green) and Goat anti-Rabbit (555) at 1:1,000 dilution (shown in red)
Nuclei were stained with DAPI (shown in blue).