

## Anti-Hsp90 Mouse mAb

Purified Recombinant Mouse Monoclonal Antibody

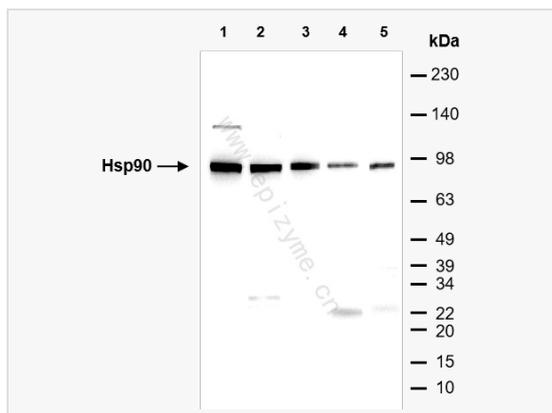
Catalog # M014683

### Product Information

Application	WB, ELISA
Reactivity	Rat, Mouse (Cell), Human
Dilution	WB 1:1,000~1:4,000
Host	Mouse
Clonality	Monoclonal
Clone No.	37J00S55
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human Hsp90
Format	Affinity purified monoclonal antibody supplied in PBS with 0.01% 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 [37J00S55] is for research use only and not for use in diagnostic or therapeutic procedures.

### Protein Information

Synonyms	Heat shock 86 kDa, Heat shock protein 90kDa alpha cytosolic class A member 1, Heat shock protein 90kDa alpha cytosolic class B member 1, Heat shock protein HSP 90 alpha, Heat shock protein HSP 90 beta, Heat shock protein HSP 90-alpha, HS90A_HUMAN, HSP 84, HSP 86, Hsp 90, HSP86, HSP90A, HSP90AA1, HSP90AB1, HSP90B, HSPC1, HSPC2, HSPCAL1, HSPCAL4, Renal carcinoma antigen NY-REN-38.
Calculated MW	Calculated MW: 85 kDa; Observed MW: 90 kDa
Uniprot ID	P07900
Gene ID	3320
Background	Molecular chaperone that promotes the maturation, structural maintenance and proper regulation of specific target proteins involved for instance in cell cycle control and signal transduction. Undergoes a functional cycle that is linked to its ATPase activity which is essential for its chaperone activity. This cycle probably induces conformational changes in the client proteins, thereby causing their activation. Interacts dynamically with various co-chaperones that modulate its substrate recognition, ATPase cycle and chaperone function (PubMed:<a href="http://www.uniprot.org/citations/11274138" target="_blank">11274138</a>, PubMed:<a href="http://www.uniprot.org/citations/15577939" target="_blank">15577939</a>, PubMed:<a href="http://www.uniprot.org/citations/15937123" target="_blank">15937123</a>, PubMed:<a href="http://www.uniprot.org/citations/27353360" target="_blank">27353360</a>, PubMed:<a href="http://www.uniprot.org/citations/29127155" target="_blank">29127155</a>, PubMed:<a href="http://www.uniprot.org/citations/12526792" target="_blank">12526792</a>). Engages with a range of client protein classes via its interaction with various co-chaperone proteins or complexes, that act as adapters, simultaneously able to interact



Western Blot - Anti-Hsp90 Mouse mAb [37J00S55]

All lanes: M014683 at 1:4,000 dilution

Lane 1: HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysates

Lane 2: Raw264.7 (Mouse mononuclear macrophage leukemia cell) whole cell lysates

Lane 3: C2C12 (Mouse myoblasts epithelial cell) whole cell lysates

Lane 4: Rat heart whole tissue lysates

Lane 5: Rat spleen whole tissue lysates

Lysates/proteins at 10  $\mu$ g 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: 90 kDa

Developed using the ECL technique (Cat. No. SQ201).