



Product Information Sheet

Monoclonal Anti-Heat Shock Protein 90, *HSP90*

Catalogue No. MA1051

Lot No. 08A12

Clone: SJ-90

Ig type: mouse IgG2b

Size: 100µg/vial

Specificity

Human, mouse, rat, rabbit, chicken, frog.

No cross reactivity with other proteins.

Recommended application

Western blot

To reorder contact us at:

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Immunogen

Heat shock protein 90 (HSP90) from the water mold *Achlya ambisexualis*

Purification

Purified by the goat anti-mouse IgG affinity chromatography.

Application

Western blot

At 2-4µg/ml with the appropriate system to detect HSP90 in cells and tissues.

Other applications have not been tested.

Optimal dilutions should be determined by end user.

Formulation

Lyophilized from 1.2% sodium acetate, with 2mg BSA and 0.01mg NaN₃ as preservative.

Reconstitution

1.2% sodium acetate or neutral PBS. If 1ml of PBS is used, the antibody concentration will be 100µg/ml.

Storage

At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for longer time.

BACKGROUND

Heat Shock Protein 90 (HSP70) exists in multiple forms in mammalian cells. It has a unique 30-amino acid N terminus instead of the 223-amino acid ATP/geldanamycin-binding domain found at the N terminus of full-length HSPCA, which contains 732 amino acids. Functional proteomic screens reveal an essential extracellular role for hsp90-alpha in cancer cell invasiveness.

REFERENCE

1. Ozawa, K.; Murakami, Y.; Eki, T.; Soeda, E.; Yokoyama, K. : Mapping of the gene family for human heat-shock protein 90-alpha to chromosomes 1, 4, 11, and 14. *Genomics* 12: 214-220, 1992.
2. Eustace, B. K.; Sakurai, T.; Stewart, J. K.; Yimlamai, D.; Unger, C.; Zehetmeier, C.; Lain, B.; Torella, C.; Henning, S. W.; Beste, G.; Scroggins, B. T.; Neckers, L.; Ilag, L. L.; Jay, D. G. : Functional proteomic screens reveal an essential extracellular role for hsp90-alpha in cancer cell invasiveness. *Nature Cell Biol.* 6: 507-514, 2004.

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