



Product Information Sheet

Monoclonal Anti-Heat Shock Protein 90, *HSP90*, - conjugated to Magnetic Beads

Catalogue No. MA1051-M

Immunogen

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

Lot No. 08A12

Clone: SJ-90

Purification

Purified by the goat anti-mouse IgG affinity chromatography.

Ig type: mouse IgG2b

Formulation

Size: 200µl

Each vial contains 1mg/ml Magnetic Bead in PBS, pH 7.2, 0.05mg NaN₃.

Specificity

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

No cross reactivity with other proteins.

Storage

Store at 4°C for frequent use.

Description

This Antagene antibody is immobilized by the covalent reaction of hydrazinonicotinamide-modified antibody with formylbenzamide-modified beads. It is useful for immunoprecipitation.

Recommended application

Immunoprecipitation (IP)

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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