



Product Information Sheet

Monoclonal Anti-Heat Shock Protein 70, *HSP70* - conjugated to Magnetic Beads

Catalogue No. MA1050-M

Immunogen

HSP70 isolated from bovine brain.

Lot No. 08A12

Purification

Purified by the goat anti-mouse IgG affinity chromatography.

Clone: SJ-70

Ig type: mouse IgG1

Formulation

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

Size: 200µl

Specificity

Human.

No cross reactivity with other proteins.

Storage

Store at 4°C for frequent use.

Recommended application

Immunoprecipitation(IP)

Description

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

BACKGROUND

Heat-shock proteins, or stress proteins, are expressed in response to heat shock and a variety of other stress stimuli including oxidative free radicals and toxic metal ions. Sargent et al. (1989) identified a duplicated HSP70 locus in the class III region of the major histocompatibility complex on 6p21.3. A duplicated locus encoding the major heat shock-induced protein HSP70 is located in the major histocompatibility complex (MHC) class III region 92 kilobases (kb) telomeric to the C2 gene. The 70-kd mammalian heat shock proteins are structurally and functionally related to the uncoating protein that releases clathrin triskelia from coated vesicles.

REFERENCE

1. Milner, C. M.; Campbell, R. D. : *Structure and expression of the three MHC-linked HSP70 genes.* Immunogenetics 32: 242-251, 1990.
2. Ungewickell, E. : *The 70-kd mammalian heat shock proteins are structurally and functionally related to the uncoating protein that releases clathrin triskelia from coated vesicles.* EMBO J. 4: 3385-3391, 1985.

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