

Anti-Hsp40 (Hdj1) Monoclonal Antibody

ORDERING INFORMATION

Catalog No.: 11111 (clone 3B9.E6)

Size: 100ug Protein G-purified antibody in PBS, pH 7.4.

BACKGROUND

Members of the human Hsp40/DnaJ protein family feature a J domain (named for the bacterial DnaJ protein). The J domain spans the first 75 N-terminal amino acids and is separated from the C-terminus by a glycine-phenylalanine-rich domain. The Hsp40/DnaJ proteins play many different roles in cellular processes such as folding, translocation, degradation, and assembly of multi-protein complexes. Hdj1, the first human Hsp40/DnaJ protein identified, plays an important role in protein translation and folding as well as in regulation of Hsp70 function. Hsp40 stimulates ATPase activity of Hsp70 which in turn causes conformational changes in unfolded proteins.

SPECIFICATION SUMMARY

Host Species: Mouse

Antigen: Recombinant Hsp40 (Hdj1)

Antibody Class: IgG1

Preservatives: None.

SPECIFICITY

This antibody recognizes human, mouse, and rat Hsp40 (Hdj1). Other species have not been tested. It does not cross-react with Hdj2 or Ydj1.

APPLICATIONS

Immunoblotting: use at 0.5-1ug/ml. A band of ~40 kDa is detected.

ELISA

Immunohistochemistry

Immunoprecipitation

User should determine optimal concentrations for their application.

Positive control: HeLa cell lysate.

DILUTION INSTRUCTIONS

Dilute in PBS or medium which is identical to that used in the assay system.

STORAGE AND STABILITY

This antibody is stable for at least one (1) year at -20°C. Avoid repeated freezing and thawing.

For in vitro investigational use only. Not for use in therapeutic or diagnostic procedures.