

Anti-HSP 70 Mouse Monoclonal Antibody



<u>Catalog No.</u>	<u>Size</u>
E010200-01	50µl
E010200-02	100µl

Product Name	Anti-Heat Shock Protein 70 Mouse Monoclonal Antibody
Product type	Primary Antibody
Application	WB IHC IF
Description	Mouse Monoclonal to Heat Shock Protein 70 antibody
Immunogen	A synthetic peptide conjugated to KLH
Specificity	Human Mouse Rat

Background Information

Heat shock proteins (HSPs) or stress response proteins (SRPs) are synthesized in variety of environmental and pathophysiological stressful conditions. Many HSPs are involved in processes such as protein denaturation-renaturation, folding-unfolding, transport-translocation, activation-inactivation, and secretion. HSP70 is found to be associated with steroid receptors, actin, p53, polyoma T antigen, nucleotides, and other unknown proteins. Also, HSP70 has been shown to be involved in protective roles against thermal stress, cytotoxic drugs, and other damaging conditions.

Application Notes

Optimal working dilutions should be determined experimentally by the investigator. Prepare working dilution immediately before use. Suggested starting dilutions are as follows: Western Blot (1:1000-1:3000), Immunofluorescence and Immunocytochemistry (1:200-1:800).

Host

Mouse

Clonality

Storage Buffer

1mg/ml in PBS, pH 7.4 with 0.02% sodium azide, 50% Glycerol.

Form

Liquid, 1mg/ml

Storage Instructions

Stable for 1 year at -20°C from date of shipment. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap. Aliquot to avoid repeated freezing and thawing. Aliquot will be stable at 4°C for 3 months.

Images



Western blot analysis of HL-60 cell lysate with HSP 70 mouse mAb diluted at 1:2000