# **Anti-HSP 70 Mouse Monoclonal Antibody**

 Catalog No.
 Size

 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.

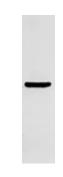
### Form

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

