

32-5932: Mouse Anti Human Heat shock 70 kDa protein(Clone:P4E7AT.)

Clonality : Monoclonal

Clone Name : P4E7AT.

Application : ELISA, WB, IHC

Gene : HSPA1A

Gene ID : 3303

Uniprot ID : P0DMV8

Format : Purified

Alternative Name : Heat shock 70 kDa protein, heat shock 70kDa protein 1A, HSP70.1, HSP70-1/HSP70-2, HSPA1A, HSPA1, HSPA1B, HSP72, HSP70I, HSP70-1, FLJ54303, FLJ54370, FLJ54392, FLJ54408, FLJ75127, HSP70-1A.

Isotype : Mouse IgG1 heavy chain and ? light chain.

Immunogen Information : Anti-human HSP70 mAb, is derived from hybridization of mouse SP2/0 myeloma cells with spleen cells from BALB/c mice immunized with recombinant human HSP70 amino acids 1-641 purified from E. coli.

Description

HSP70 is a human heat shock protein. HSP-70 is an important part of the cell's machinery for protein folding, and help to protect cells from stress. In most species, there are many proteins that belong to the HSP70 family. Some of these are only expressed under stress conditions, while some are present in cells under normal growth conditions and are not heat-inducible. They can be found in different cellular compartments (nuclear, cytosolic, mitochondrial, endoplasmic reticulum, etc...).

Product Info

Amount : 20 µg

Purification : HSP70 antibody was purified from mouse ascitic fluids by protein-G affinity chromatography.

Content : 1mg/ml containing PBS, pH-7.4, & 0.1% Sodium Azide.

Storage condition : For periods up to 1 month store at 4°C, for longer periods of time, store at -20°C. Prevent freeze thaw cycles.

Application Note

HSP70 antibody has been tested by ELISA, Western blot and immunohistochemistry analysis to assure specificity and reactivity. Since application varies, however, each investigation should be titrated by the reagent to obtain optimal results. Recommended dilution range for Western blot is 1:500 ~ 1:2,000 and immunohistochemistry analysis is 1:100~200. Recommended starting dilution for Western blot is 1:1,000 and Immunohistochemistry is 1:100.