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## HSP70 (5A6) Antibody

**Subcategory:** Mouse Monoclonal Antibody

**Cat. No.:** 252947

**Unit:** 0.1 ml

**Description:**

HSP-70 (Heat shock 70 kDa protein 1) is a 70-kDa heat shock protein, a member of the heat shock protein 70 family. In conjunction with other heat shock proteins, HSP-70 stabilizes existing proteins against aggregation and mediates the folding of newly translated proteins in the cytosol and organelles. Heat shock proteins recognize non-native conformations of other proteins during translation and membrane translocation or following stress-induced damages. HSP-70 is also involved in the ubiquitin-proteasome pathway through interaction with the AU-rich element RNA-binding protein 1.

**Isotype:** Mouse IgG1

**Applications:** WB, IHC, IF

**Species Reactivity:** H

**Format:** Each vial contains 0.1 ml ascitic fluid with 0.03% sodium azide.

**Alternate Names:** Heat shock 70 kDa protein 1; HSP70; HSP70.1; HSP70-1/HSP70-2; HSPA1A; HSPA1; HSPA1B

**Accession No.:** P08107

**Antigen:** Purified recombinant fragment of human HSP70 expressed in *E. coli*.

**Application Notes:** WB: 1:200-1:1000; IHC: 1:200-1:1000; IF: 1:200-1:1000;

**Storage:** Store at 4°C for short term use only. Store at -20°C for storage over 1 month. Product is guaranteed 6 months from the date of shipment.

For research use only, not for diagnostic or therapeutic procedures.