


Product datasheet

Anti-Hsp70 antibody [C92F3A-5] (FITC) ab115861

1 Image

Overview

<b>Product name</b>	Anti-Hsp70 antibody [C92F3A-5] (FITC)
<b>Description</b>	Mouse monoclonal [C92F3A-5] to Hsp70 (FITC)
<b>Host species</b>	Mouse
<b>Conjugation</b>	FITC. Ex: 493nm, Em: 528nm
<b>Tested applications</b>	<b>Suitable for:</b> Flow Cyt
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse, Rat, Sheep, Rabbit, Chicken, Guinea pig, Hamster, Cow, Dog, Human, Pig, Drosophila melanogaster, Monkey <b>Predicted to work with:</b> Fish 
<b>Immunogen</b>	Full length native protein Human Hsp70.
<b>Positive control</b>	Jurkat cells

Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C.
<b>Storage buffer</b>	pH: 7.20 Preservative: 0.09% Sodium azide Constituent: 99% PBS
<b>Purity</b>	Protein G purified
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	C92F3A-5
<b>Isotype</b>	IgG1

Applications

Our [Abpromise guarantee](#) covers the use of **ab115861** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
Flow Cyt		1/20. <a href="#">ab91356</a> -Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.

## Target

### Function

In cooperation with other chaperones, Hsp70s stabilize preexistent proteins against aggregation and mediate the folding of newly translated polypeptides in the cytosol as well as within organelles. These chaperones participate in all these processes through their ability to recognize nonnative conformations of other proteins. They bind extended peptide segments with a net hydrophobic character exposed by polypeptides during translation and membrane translocation, or following stress-induced damage. In case of rotavirus A infection, serves as a post-attachment receptor for the virus to facilitate entry into the cell.

### Tissue specificity

HSPA1B is testis-specific.

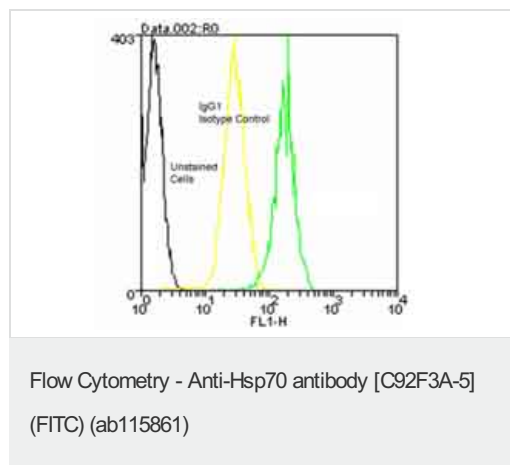
### Sequence similarities

Belongs to the heat shock protein 70 family.

### Cellular localization

Cytoplasm. Localized in cytoplasmic mRNP granules containing untranslated mRNAs.

## Images



Flow cytometry analysis of 106 Jurkat cells were stained using ab115861 at a concentration of 50µg/mL (green).

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