


Product datasheet

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

1 Image

Overview

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

Properties

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

1/20.

[ab91356](#) - 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.

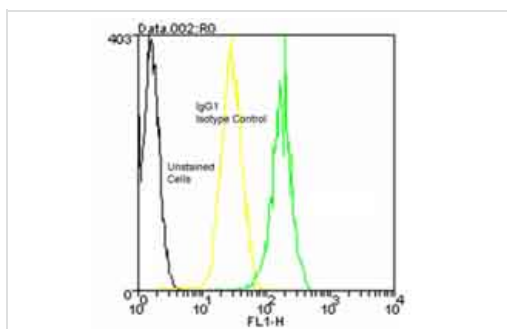
Sequence similarities

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).

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

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