

# Hsp70 antibody [5A5]

**Cat. No. GTX22787**

<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal
<b>Isotype</b>	IgG1
<b>Applications</b>	WB, ICC/IF, IHC-P, IHC-Fr, IP, ELISA, Gel supershift assays, IHC, Neutralizing/Inhibition
<b>Reactivity</b>	Human, Mouse, Rat, Yeast, Rabbit, Drosophila, Bovine, Amphibians, Fish, Mollusc, Flatworm, Avian

References ( 1 )

Package

250 µl

## Applications

### Application Note

\*Optimal dilutions/concentrations should be determined by the researcher.

Suggested dilution	Recommended dilution
WB	1:250 - 1:1000
ICC/IF	Assay dependent
IHC-P	Assay dependent
IHC-Fr	Assay dependent
IP	Assay dependent
ELISA	Assay dependent
Gel supershift assays	Assay dependent
IHC	Assay dependent
Neutralizing/Inhibition	Assay dependent

Not tested in other applications.

### Product Note

This antibody detects several members of the heat shock protein 70 kDa (HSP70) gene family including HSP70, HSC70, GRP78, and following heat shock, HSP72. It is the first monoclonal antibody reported to react with the ATP binding region of HSP70 and an epitope in the amino terminus of HSP70.

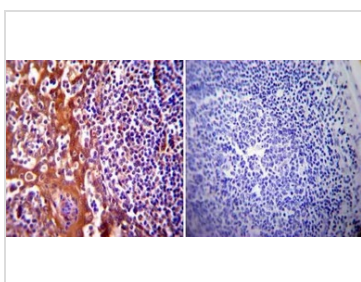
## Properties

<b>Form</b>	Liquid
<b>Buffer</b>	PBS, 0.1% BSA
<b>Preservative</b>	0.05% Sodium azide
<b>Storage</b>	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.



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<b>Concentration</b>	1 mg/ml (Please refer to the vial label for the specific concentration.)
<b>Immunogen</b>	Human recombinant HSP70 over expressed in E. coli.
<b>Purification</b>	Protein A purified
<b>Conjugation</b>	Unconjugated
<b>Note</b>	<p>For laboratory research use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption.</p> <p>Purchasers shall not, and agree not to enable third parties to, analyze, copy, reverse engineer or otherwise attempt to determine the structure or sequence of the product.</p>

**DATA IMAGES**

**GTx22787 IHC-P Image**

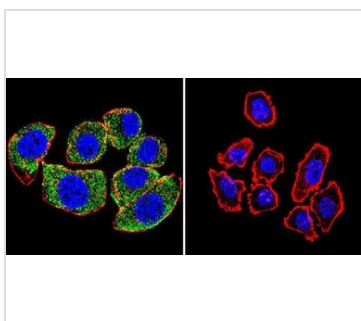
IHC-P analysis of human tonsil tissue using GTx22787 Hsp70 antibody [5A5].

Left : Primary antibody

Right : Negative control without primary antibody

Antigen retrieval : heat induced antigen retrieval was performed using 10mM sodium citrate (pH6.0) buffer, microwaved for 8-15 minutes

Dilution : 1:200


**GTx22787 ICC/IF Image**

ICC/IF analysis of U251 cells using GTx22787 Hsp70 antibody [5A5]. Cells were probed without (right) or with(left) an antibody.

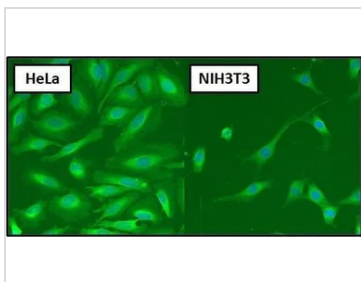
Green : Primary antibody

Blue : Nuclei

Red : Actin

Fixation : formaldehyde

Dilution : 1:200 overnight at 4°C


**GTx22787 ICC/IF Image**

ICC/IF analysis of HeLa and NIH3T3 cells using GTx22787 Hsp70 antibody [5A5].

Green : Primary antibody

Blue : Nuclei

Fixation : Formalin

Permeabilization : 0.1% Triton X-100 in TBS for 10 minutes

Dilution : 1:50 for at least 1 hour at room temperature



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