



Qty: 200 µg/400 µl
Mouse anti-HSP70
Catalog No. 33-3800
Lot No.

Mouse anti-HSP70

FORM

This monoclonal antibody is highly purified from mouse ascites by size exclusion chromatography. The antibody is supplied as a 400 µl aliquot at a concentration of 0.5 mg/ml in PBS (pH 7.4) containing 0.1% sodium azide.

CLONE: MB-H1 **ISOTYPE:** IgM

IMMUNOGEN

This antibody was prepared against full-length human hsp70 protein.

SPECIFICITY

This antibody recognizes both the inducible form (hsp70) and the constitutive form (hsc70) of the hsp70 protein.

REACTIVITY

This antibody is reactive with hsp70 from human and rat.

USAGE

The dilutions listed below are good starting points, however, optimal dilutions should be determined by the investigator for each application.

	ELISA:	0.1-1.0 µg/ml
	Western Blotting:	0.5-1.0 µg/ml
	Immunohistochemistry (paraffin)	2-5 µg/ml

STORAGE

Store at 2-8°C for up to one month. Store at -20°C for long term storage. Avoid repeated freezing and thawing.

BACKGROUND

Heat shock proteins play vital roles in protein folding and other forms of protein processing in several organelles. Under stress inducing conditions, production of many heat shock proteins increase dramatically in an attempt to protect or rescue cells from the effects of the stress inducing agent. Heat shock proteins are highly conserved in evolution and are present in essentially all living organisms. Individual heat shock proteins that share structural and functional properties may still vary considerably in their abilities to be induced by metabolic or temperature-induced stress. HSP-70 is the major stress inducible heat shock protein in mammalian cells.

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RELATED PRODUCTS

Secondary antibody conjugates.

Conjugate	Goat anti-mouse IgM		Ex/Em*	Fluorescence similar to--
Alexa Fluor® 488	A21042		495/519	FITC
Alexa Fluor® 555	A21426		555/565	Cy3
Alexa Fluor® 594	A21044		590/617	Texas Red
Alexa Fluor® 647	A21238		650/668	Cy5
HRP	626820		NA**	NA
Alkaline Phosphatase	626822		NA**	NA
Biotin	M31515		NA	NA

*Excitation/emission (nm); **Not applicable

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