



Qty: 100 µg/200 µl

Mouse anti-HA

Catalog No. 32-6700

Lot No.

Mouse anti-HA

FORM

This monoclonal antibody is supplied as a 200 µl aliquot at a concentration of 0.5 mg/ml in PBS, pH 7.4, containing 0.1% sodium azide. This antibody is highly purified from mouse ascites by protein A chromatography.

CLONE: 5B1D10

ISOTYPE: Mouse IgG_{2a}

IMMUNOGEN

A synthetic peptide corresponding to the nine amino acid sequence HA-tag (YPYDVPDYA).

SPECIFICITY

This monoclonal antibody reacts specifically with HA-tagged fusion proteins.

REACTIVITY

Reactivity of this antibody with various HA-tagged fusion proteins has been confirmed by Western blotting.

USAGE

Working concentrations for specific applications should be determined by the investigator. Appropriate concentrations will be affected by several factors, including secondary antibody affinity, antigen concentration, sensitivity of detection method, temperature and length of incubations, etc. The suitability of this antibody for applications other than those listed below has not been determined. The following concentration ranges are recommended starting points for this product.

ELISA: 0.1-1.0 µg/ml

Western Blotting: 1-3 µg/ml (Positive control: HA-tagged JNK-1 transfected cell lysates)

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

The HA tag sequence is derived from influenza hemagglutinin and is typically used to facilitate the detection of proteins. Tags such as HA used in conjunction with proteins can aid in purification, identification, and functional analysis of the tagged protein.

Through the use of standard molecular biology techniques, a cDNA, which encodes the protein of interest can be cloned, in-frame, into an expression vector containing the tag sequence. The resultant tagged protein is usually referred to as an epitope-tagged protein or a fusion protein. Currently, a variety of expression vectors containing tags are commercially available. Depending on the expression vector selected, these fusion proteins may be expressed in a variety of organisms including bacteria, yeast, insect cells, and mammalian cells. Detection of a tagged protein is facilitated by the use of an antibody directed against the particular tag. This alleviates the need to generate a specific antibody against the protein itself. Therefore, newly identified proteins can be expressed and studied without having to wait for a specific antibody to be generated. Some of the more commonly used fusion tags include: *c-myc*, FLAG, GFP, GST, HA, His, and MBP.

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REFERENCES

1. Tu, Y., et al; *Mol. Biol. Cell* 9:3367-3382 (1998).

RELATED PRODUCTS

Product	Clone	Cat. No.
Mouse anti-c-Myc	9E10	13-2500
Mouse anti-GFP	C163	33-2600
Mouse anti-GST	GST 3-4C	13-6700
Rabbit anti-HA	SG77	71-5500
Mouse anti-MBP	R29	33-5100
Mouse anti-GAL4	GAL4-8	33-8600

Conjugate	ZyMAX™ Goat x Rabbit IgG (H+L)	ZyMAX™ Goat x Mouse IgG (H+L)
Purified	81-6100	81-6500
FITC	81-6111	81-6511
TRITC	81-6114	81-6514
Cy™3	81-6115	81-6515
Cy™5	81-6116	81-6516
HRP	81-6120	81-6520
AP	81-6122	81-6522
Biotin	81-6140	81-6540

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