Qty: 100 µg/200 µL

Mouse anti-His

Catalog No. 37-2900

Lot No.

Mouse anti-His

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: 4A12E4 **ISOTYPE:** Mouse IgG_1 - kappa

IMMUNOGEN

Synthetic peptide containing six His residues (6xHis).

SPECIFICITY

This antibody is specific for 6xHis. Recognizes His-tagged recombinant proteins or His-tagged proteins overexpressed in cells.

REACTIVITY

Reactivity has been confirmed with TS-His fusion protein, and is respected to read with all His-tagged proteins regardless of species.

Sample	Immuno-precipitation (native)	ELISA (Native)	Western Blotting
Immunogen	+++	+++	+++

(Excellent +++, Good++, Poor +, No reactivity 0, Not applicable N/A, Not Determined ND)

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.

Immunoprecipitation: 10 µg/application
ELISA: 0.1-1.0 µg/mL
Western Blotting: 1-5 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.

(cont'd)

BACKGROUND

The His-tagged expression system is widely used in the production of recombinant protein. The 6xHis tag on the expressed recombinant proteins allows for efficient coupling to Ni++ affinity resins and purification by single-step chromatography. The His-tag can be cleaved at sites recognized by enzymes such as thrombin and enterokinases to isolate the protein of interest.

RELATED PRODUCTS

Product	*Clone/PAD**	*Cat. No.*
Mouse anti-Biotin	Z021	03-3700
Mouse anti-Biotin-HRP	Z021	03-3720
Mouse anti-BrdU	ZBU30	03-3900
Mouse anti-BrdU-HRP	ZBU30	03-3920
Mouse anti-c-Myc	9E10	13-2500
Mouse anti-c-Myc-FITC	9E10	13-2511
Rat anti-DNP	L0-DNP-2	04-8300
Rat anti-DNP	L0-DNP-30	04-8888
Rabbit anti-FITC	Polyclonal	71-1900
Mouse anti-GFP	C163	33-2600
Mouse anti-GST	GST-3-4C	13-6700
Mouse anti-GST- Sephrose 4B	GST-3-4C	13-6741
Rabbit anti-GST	Polyclonal	71-7500
Rabbit anti-HA	Polyclonal	71-5500
Mouse anti-HA	5B1D10	32-6700
Mouse anti-MBP	R29	33-5100
Protein A	Sepharose® 4B	10-1041
rec-Protein G	Sepharose® 4B	10-1241

*PAD: Polyclonal Antibody Designation

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

For Research Use Only

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