Datasheet: MCA1396B

**Description:** MOUSE ANTI HISTIDINE TAG: Biotin

**Specificity:** HISTIDINE TAG

**Format:** Biotin

**Product Type:** Monoclonal Antibody

**Clone:** AD1.1.10

**Isotype:** IgG1

**Quantity:** 0.1 mg

### Product Details

#### Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit [www.bio-rad-antibodies.com/protocols](http://www.bio-rad-antibodies.com/protocols).

<table>
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<th>Application</th>
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<th>No</th>
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<th>Suggested Dilution</th>
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<td>Immunohistology - Paraffin</td>
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<td>Western Blotting</td>
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Where this antibody has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. It is recommended that the user titrates the antibody for use in their own system using appropriate negative/positive controls.

#### Target Species

Synthetic Peptide

#### Product Form

Purified IgG conjugated to Biotin - liquid

#### Preparation

Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant

#### Buffer Solution

Phosphate buffered saline

#### Preservative Stabilisers

0.09% Sodium Azide

#### Approx. Protein Concentrations

IgG concentration 1.0 mg/ml

#### Immunogen

PAX6 transcription factor linked to histidine tag.

#### Fusion Partners

Spleen cells from immunised Balb/c mice were fused with cells of the mouse NS1 myeloma cell line.

#### Specificity

Mouse anti Histidine tag antibody, clone AD1.1.10, recognizes proteins and peptides containing the motif H-H-H-H-H-H and is therefore of value in detecting proteins containing
histidine tags. Clone AD1.1.10 has been used to detect and purify histidine-tagged proteins expressed in mammalian (Hoffmann et al. 2007) and non-mammalian (Zheng et al. 2007; Gunnarsen et al. 2010; and de Vooght et al. 2012) cell lines.

In Western blotting of bacterial extracts the antibody has been shown not to cross-react with any endogenous products, although some cross-reactivity may be seen with extracts of insect or mammalian cells.

This antibody is routinely tested in Western blotting on histidine tagged recombinant proteins and reacts against all histidine-tagged proteins so far tested.

References


Storage
Store at +4°C or at -20°C if preferred.
This product should be stored undiluted.
Storage in frost free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

Shelf Life
18 months from date of despatch.

Health And Safety Information

Regulatory
For research purposes only

Related Products

Recommended Secondary Antibodies
STREPTAVIDIN (STAR119...) APC

Recommended Useful Reagents
PROTEUS IMAC MIDI PURIFICATION SPIN COLUMN PACK + BUFFERS (PUR019)
PROTEUS IMAC MIDI PURIFICATION KIT (PUR021)