Datasheet: MCA1396B

**Product Details**

**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

**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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<tr>
<th>Application</th>
<th>Yes</th>
<th>No</th>
<th>Not Determined</th>
<th>Suggested Dilution</th>
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<tbody>
<tr>
<td>Flow Cytometry</td>
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<td>Immunohistology - Frozen</td>
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<td>Immunohistology - Paraffin</td>
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<td>ELISA</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 Hwang et al. 2008) 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.

Acknowledgements

His-tag is a registered trademark of EMD Biosciences.

Health And Safety Information

Material Safety Datasheet documentation #10040 available at:

Regulatory

For research purposes only