

Datasheet: MCA1396P

Description:	MOUSE ANTI HISTIDINE TAG:HRP
Specificity:	HISTIDINE TAG
Format:	HRP
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.

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry			▪	
Immunohistology - Frozen			▪	
Immunohistology - Paraffin			▪	
ELISA	▪			1/20 - 1/1000
Immunoprecipitation			▪	
Western Blotting	▪			1/1000 - 1/5000

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 Horseradish Peroxidase (HRP) - liquid
Preparation	Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.01% Thiomersal
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.

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Storage

Store at +4°C or at -20°C if preferred.
Storage in frost-free freezers is not recommended.

This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

Guarantee	12 months from date of despatch
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Acknowledgements	His-tag is a registered trademark of EMD Biosciences.
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Health And Safety Information	Material Safety Datasheet documentation #10094 available at: 10094: https://www.bio-rad-antibodies.com/uploads/MSDS/10094.pdf
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Regulatory	For research purposes only
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Related Products

Recommended Useful Reagents

[TMB SIGNAL+ \(BUF054A\)](#)

[TMB CORE \(BUF056A\)](#)

[TMB CORE+ \(BUF062A\)](#)

[AbGUARD® HRP STABILIZER PLUS \(BUF052A\)](#)

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[AbGUARD® HRP STABILIZER PLUS \(BUF052C\)](#)

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