

## Datasheet: MCA1396A647

<b>Description:</b>	MOUSE ANTI HISTIDINE TAG:Alexa Fluor® 647
<b>Specificity:</b>	HISTIDINE TAG
<b>Format:</b>	ALEXA FLUOR® 647
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	AD1.1.10
<b>Isotype:</b>	IgG1
<b>Quantity:</b>	1 ml

## Product Details

**RRID** AB\_906039

**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).

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry	■			

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 Alexa Fluor® 647 - liquid

Max Ex/Em	Fluorophore	Excitation Max (nm)	Emission Max (nm)
	Alexa Fluor®647	650	665

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

**Buffer Solution** Phosphate buffered saline

**Preservative** 0.09% Sodium Azide  
**Stabilisers** 1% Bovine Serum Albumin

**Approx. Protein Concentrations** IgG concentration 0.05 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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## References

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#### 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. This product is photosensitive and should be protected from light.

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

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#### Guarantee

18 months from date of despatch.

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#### Acknowledgements

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#### Health And Safety

Material Safety Datasheet documentation #10041 available at:

**Information**

10041: <https://www.bio-rad-antibodies.com/uploads/MSDS/10041.pdf>

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