Datasheet: MCA1396A488

Description: MOUSE ANTI HISTIDINE TAG: Alexa Fluor® 488
Specificity: HISTIDINE TAG
Format: ALEXA FLUOR® 488
Product Type: Monoclonal Antibody
Clone: AD1.1.10
Isotype: IgG1
Quantity: 100 TESTS/1ml

Product Details

RRID: AB_877447

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.

Target Species: Synthetic Peptide
Product Form: Purified IgG conjugated to Alexa Fluor® 488 - liquid
Max Ex/Em: Alexa Fluor® 488
Fluorophore: Excitation Max (nm) 495
Emission Max (nm) 519

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.

References

17. Peyrassol, X. et al. (2016) Development by Genetic Immunization of Monovalent Antibodies


24. Liu, C.C. et al. (2016) The Fimbrial Protein is a Virulence Factor and Potential Vaccine Antigen of Avibacterium paragallinarum


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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. 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.

**Guarantee**

18 months from date of despatch.

**Acknowledgements**

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