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## **SM1693P Monoclonal Antibody to Histidine Tag - Purified**

Quantity: 1 mg

**Concentration:** 1.0 mg/ml

Background: The H-H-H-H-H motif is used as a tag on many recombinant proteins to facilitate

purification.

**Host / Isotype:** Mouse / IgG1 Recommended Isotype

**Controls:** 

AM03095PU-N

Clone: AD1.1.10

Immunogen: PAX6 transcription factor linked to histidine tag.

Remarks: Spleen cells from immunised Balb/c mice were fused with cells of the

mouse NS1 myeloma cell line.

Format: State: Liquid purified IgG fraction

> Purification: Affinity Chromatography on Protein G Buffer System: PBS containing 0.09% Sodium Azide

**Applications: ELISA** 

Immunoprecipitation

Immunhistology on Frozen Sections.

Western blot: 1/500-1/1000. This antibody is routinely tested on Histidine tagged

recombinant protein.

Other applications not tested. Optimal dilutions are dependent on conditions and

should be determined by the user.

**Specificity:** This antibody recognises proteins containing the motif H-H-H-H-H and is therefore

> of value in detecting proteins containing histidine tags. The antibody may be used to track the purification of proteins expressed in bacteria, Yeast or insect cells. It reacts against all His tagged proteins so far tested. 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

Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for Storage:

Avoid repeated freezing and thawing.

Shelf life: one year from despatch. <br />

**General Readings:** 1. Els Conrath K, Lauwereys M, Wyns L, Muyldermans S. Camel single-domain

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- 9. Bahi A, Kusnecov A, Dreyer JL. The role of tissue-type plasminogen activator system in amphetamine-induced conditional place preference extinction and reinstatement. Neuropsychopharmacology. 2008 Oct;33(11):2726-34. doi: 10.1038/sj.npp.1301668. Epub 2008 Feb 6. PubMed PMID: 18256596.
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- 11. Hwang HY, Duvall MR, Tomlinson S, Boackle RJ. Highly specific inhibition of C1q globular-head binding to human IgG: a novel approach to control and regulate the classical complement pathway using an engineered single chain antibody variable fragment. Mol Immunol. 2008 May;45(9):2570-80. doi:
- 10.1016/j.molimm.2007.12.019. Epub 2008 Mar 3. PubMed PMID: 18313756.
- 12. De Vooght L, Caljon G, Stijlemans B, De Baetselier P, Coosemans M, Van den Abbeele J. Expression and extracellular release of a functional anti-trypanosome Nanobody® in Sodalis glossinidius, a bacterial symbiont of the tsetse fly. Microb Cell Fact. 2012 Feb 15;11:23. doi: 10.1186/1475-2859-11-23. PubMed PMID: 22335892.



**Pictures:** 

His-Ubiquitin recombinant protein probed with Mouse anti Histidine Tag antibody Cat.-No SM1693P

