

## His-Tag Antibody (Monoclonal)

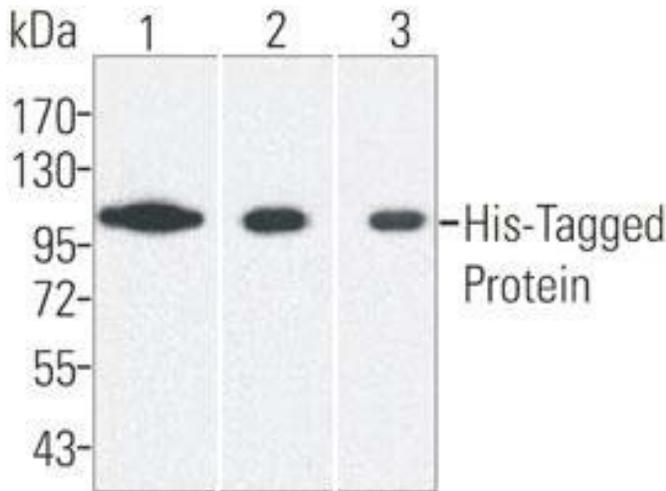
Catalog Number:	1001-M1-HIS
Product Specification:	His-Tag Antibody
Size:	100 µl
Type:	Monoclonal
Specificity:	Binds to the His-tag wherever it is accessible in the fusion protein: amino-terminal, Met-amino-terminal, carboxy-terminal, or internal.
Host Species:	Mouse
Species Cross-Reactivity:	All
Immunogen	H <sub>2</sub> N-His-His-His-His-His-His-COOH Peptide, KLH Coupled
Isotype:	IgG1
Clone Number:	2A8
Western Blot:	1: 2000
Immuno-fluorescence:	1: 1000
Immuno-precipitation:	1: 50
Flow Cytometry:	Assay dependent
Storage:	-20°C in aliquots. Freeze-thaw cycles must be avoided once the stock aliquot is diluted.
Form:	Liquid
Secondary Antibody (Recommended):	Use anti-mouse IgG raised in rabbit, goat or donkey

### Product Background:

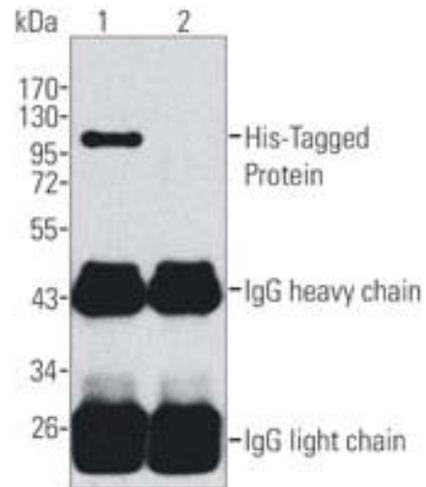
Monoclonal antibodies specific to polyhistidine can greatly improve the effectiveness of several different kinds of immunoassays, helping researchers identify, detect, and purify polyhistidine fusion proteins in bacteria, insect cells, and mammalian cells. Anti-His mAb is produced from mice

ascites and purified by protein G affinity column. This antibody recognizes native as well as denatured forms of synthetic polyhistidine and polyhistidine-tagged fusion proteins.

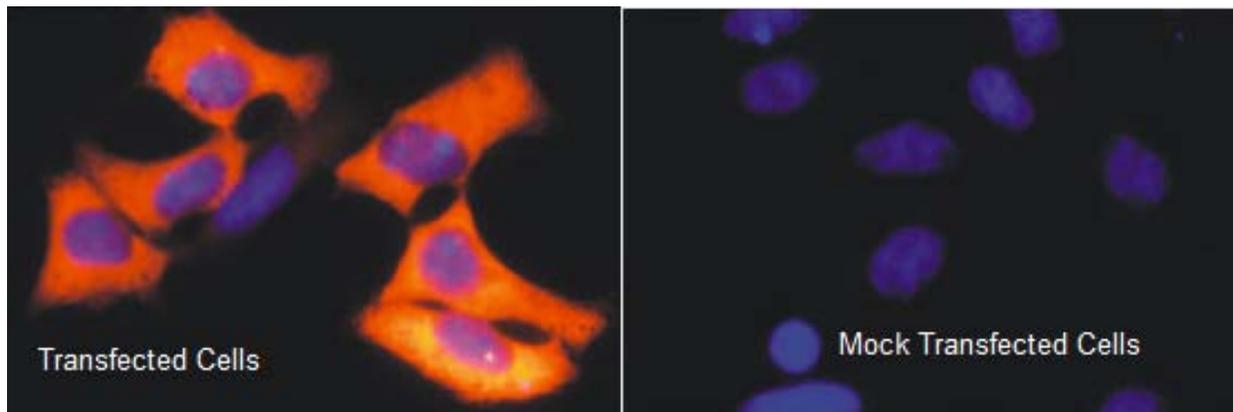
**Applications:**



**WB analysis** of 293T cell lysate containing over-expressed 105 kDa His-tagged protein, using His-tag Mouse MAb (**Cat#** 1001-M1-HIS). The antibody dilutions were 1:2000 (Blot-1), 1:5000 (Blot-2) and 1:10000 (Blot-3). Protein Loading: 10 µg of cell lysate/lane in all three blots.



**Immunoprecipitation (IP)** of extracts from 293T cells transfected (lane 1) with a 105 kDa His-tagged protein and a mock transfection (right, using the same protein without the His tag), using His-Tag Mouse mAb (**Cat#** 1001-M1-HIS) and probed on Western blot using the same antibody. Dilutions: 1:50 each lane



**Immunofluorescence (IF) Analysis** of 293T cells transfected (left) with a His-tagged protein and a mock transfection (right), using the same protein but without the His tag). Cells were probed with His-Tag Mouse MAb (**Cat#** 1001-M1-HIS) at a 1:2000 dilution in presence of fluorescent tagged secondary antibody.

**Related Products:**

- 1001-A1-His His-Tag: Antibody (Rabbit Polyclonal) Aff Pure
- 1002-M1-MYC Myc-Tag: Antibody (Mouse Monoclonal)
- 1003-M1-GST GST-Tag (Glutathionine-S-transferase): Antibody (Mouse Monoclonal)
- 1004-M1-HA HA-Tag (Influenza Hemagglutinin (HA) Peptide (YPYDVPDYA):  
Antibody (Mouse Monoclonal)
- 1005-M1-GFP GFP-Tag (Green Fluorescent Protein): Antibody (Mouse Monoclonal)
- 1006-M1-DYK DYKDDDDK-Tag: Antibody (Mouse Monoclonal)

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