

## Anti-His Tag Mouse Monoclonal Antibody

Catalog Number: YFMA0041; Size: 100 $\mu$ L

### Background:

A polyhistidine-tag is an amino acid motif in proteins that consists of at least five histidine (His) residues, often at the N- or C-terminus of the protein. It is also known as hexa histidine-tag, 6xHis-tag, and by the trademarked name His-tag. Polyhistidine-tags are often used for affinity purification of polyhistidine-tagged recombinant proteins expressed in Escherichia coli and other prokaryotic expression systems.

### Product Information:

**Product name:** Anti-His Tag Mouse Monoclonal Antibody

**Isotype:** IgG1

**Form:** Liquid

**Tested applications:** WB, IF, IP

**Dilution Ratio:** WB: 1:1000-1:10000; IF: 1:100-1:500; IP:1:200

**Species reactivity:** Transfected

**Host Species:** Mouse

**Purity:** Affinity purification

### Immunogen Information:

**Immunogen:** Synthetic peptide: HHHHHH conjugated to KLH.

**Molecular Weight:** Refer to figures

**Swiss Prot:** -

**Gene ID (NCBI):** -

**Alternative Names:** 6 His epitope tag; Hexa His tag; HHHHHH epitope tag; HHHHHH tag; His tag

### Storage:

Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

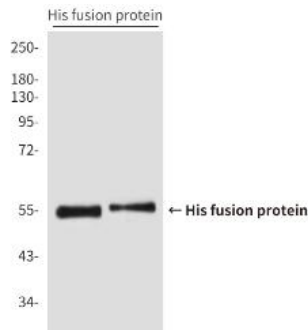
Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

### Services & Support:

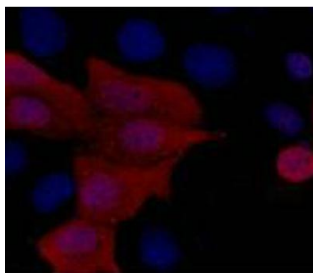
- 1、Please do not hesitate to contact us if you have any questions.
- 2、Please fill in the Technical Support Request Form and email the form to [support@yfxbio.com](mailto:support@yfxbio.com) within 3months of receipt of the goods, and we will response to your inquiry within 24 hours.
- 3、The after-sale service channel will be shut down after 3 months.
- 4、Producthasnot been fully validated for medical applications. For research use only.

### Application:

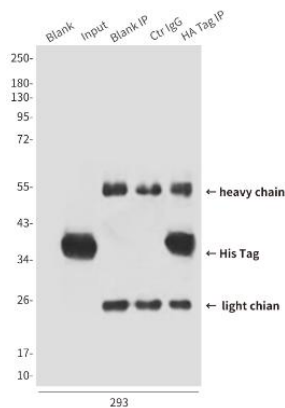
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.



2ug His fusion protein+ Primary antibody dilution at 1) 1:5000. 2) 1:10000.



Immunofluorescence analysis of His Tag in 293 cells transfected with a His Tag protein using His Tag antibody (red), and DAPI (blue).



Immunoprecipitation analysis of Flag Tag in

- 1、untransfected 293 cell lysates
- 2、transfected 293 cell lysates with His tag fusion protein
- 3、IP (untransfected 293+anti His mAb+ Protein G agarose)
- 4、IP (transfected 293+ normal mouse IgG+Protein G agarose)
- 5、IP (transfected 293+antiHis mAb+ Protein G agarose).