

His-Tag Mouse Monoclonal Antibody(4E6)

Catalog	TDY004C	TDY004F
Quantity	50 μ L	100 μ L

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Web: www.tdybio.com

For research use only.

Applications	Species Cross-Reactivity	Molecular Weight	Isotype
WB, IP, IF	N/A	N/A	IgG1

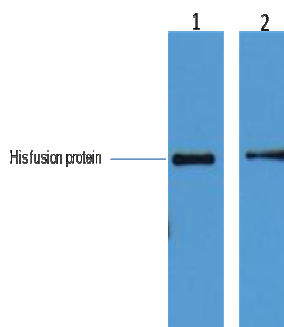
Storage Buffer & Condition: PBS, pH 7.4, containing 0.02% **sodium azide** as Preservative and 50% Glycerol.
Store at **-20°C**. **Do not aliquot the antibody.**

Recommended dilutions: WB: 1:3,000 IP: 1:200 IF: 1:1,000

Optimal dilutions should be determined by the end user.

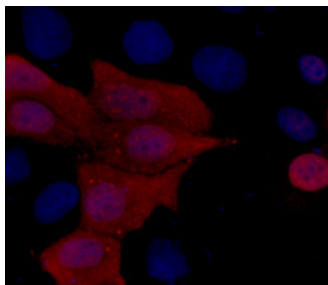
Specificity: The His tag antibody can recognize C-terminal, internal, and N-terminal His-tag fusion proteins.

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. Monoclonal antibodies specific to six histidine tags 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.

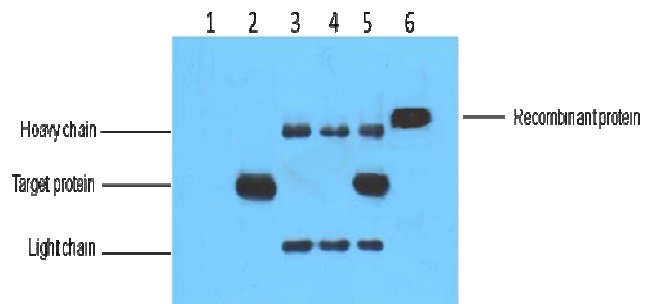


2 μ g His fusion protein+ Primary antibody dilution at

- 1:5,000
- 1:10,000



IF analysis of 293 cells transfected with a His-tag protein, using TDYbio anti-HisTag Mouse mAb at a 1:1000 dilution (blue DAPI, red anti-His)



IP antibody use: 5 μ g His Mouse IgG1 per ml Lysate, WB 1:3000

- 1, untransfected 293 cell lysate
- 2, transfected 293 cell lysate 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+anti-His mAb+ Protein G agarose)
- 6, Recombinant protein (*E.coli*)