



Cyrusbioscience

His-Tag Antibody (Mouse)

Catalog Number: TAB0001

Amount: 100µg/100µl

Clone Number: 4E6

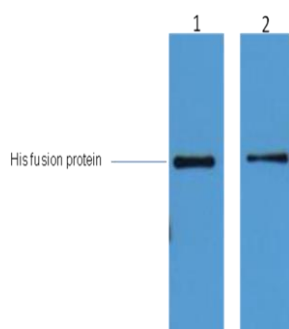
Background: A polyhistidine-tag is an amino acid motif in proteins that consists of at least five histidine (His) residues, often at the N- or C-terminus of the protein. Monoclonal antibodies specific to six histidine tags can greatly improve the effectiveness of several different kinds of immunoassays, helping researchers identify, detect, and purify polyhistidine fusion proteins in bacteria, insect cells, and mammalian cells.

Form of Antibody: Mouse IgG1 in phosphate buffered saline (without Mg²⁺ and Ca²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

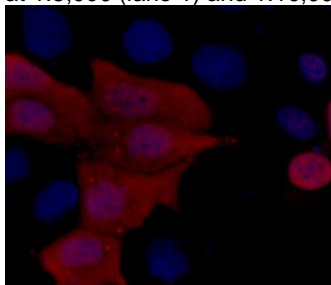
Storage/Stability: Store at -20°C/1 year

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

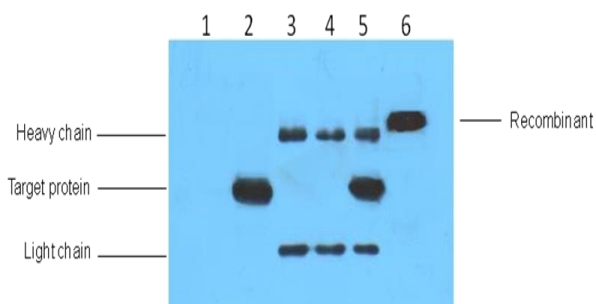
Applications: WB: 1:3,000 ; IP: 1:200 ; IF: 1:1,000



2ug His fusion protein+ Primary antibody dilution at 1:5,000 (lane 1) and 1:10,000 (lane 2).



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



IP antibody use : 5ug 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)