



His Tag Monoclonal Antibody

A02050



Product Information

	Product Name: Anti-His Tag Mouse Monoclonal Antibody (5C3)		
	Applications: WB, IF, IP		Isotype: Mouse IgG1
REF	Catalog Number: A02050	LOT	Lot Number: Refer to vial
	Formulation: Liquid		Size: 20ul /100ul/500ul
	Storage: Store at -20°C. Avoid repeated freeze / thaw cycles.		Note: 0.02% Sodium Azide

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.

Application Notes: Optimal working dilutions should be determined experimentally by the investigator. Suggested starting dilutions are as follows: WB (1:1,000-1:10,000), IF (1:500-1:2,000) and IP (1:200-1:500).

Storage Buffer: PBS, pH 7.4, containing 0.02% sodium azide as preservative and 50% glycerol as stabilizer.

Storage Instructions: Stable for one year at -20°C from date of shipment. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap. Aliquot to avoid repeated freezing and thawing.

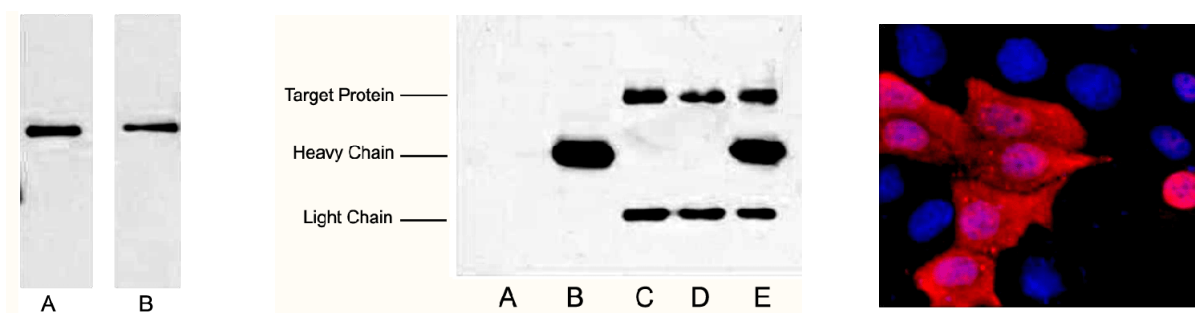


Fig. 1. WB analysis of 2ug His fusion protein with Anti-His mouse monoclonal antibody (5C3) in 1:5,000 dilution (line A) and 1:10,000 dilution (line B). **Fig. 2.** IP (1:200) - WB (1:3,000) analysis of His fusion protein expression in 293 cells. Untransfected 293 cell lysate (line A), transfected 293 cell lysate with His-tag protein (line B); IP untransfected 293 cell lysate with Anti HA tag mAb (line C); IP transfected 293 cell lysate with normal Mouse IgG (line D) or with Anti HA tag mAb (line E). **Fig. 3.** IF staining (1:2,000) of HA fusion protein in 293 cells with red and counterstained with DAPI.

Note: The product listed herein is for research use only and is not intended for use in human or clinical diagnosis. Suggested applications of our products are not recommendations to use our products in violation of any patent or as a license. We cannot be responsible for patent infringements or other violations that may occur with the use of this product.