Anti-His Tag Monoclonal Antibody

Catalog No.	Size
E022020-01	100µl
E022020-02	500µl
E022020-03	50µl

EARTH OX

Product Name	Anti-His Tag Monoclonal Antibody [HIS.H8]
Product type	Tag Antibody
Application	WB ICC/IF IP
Description	Mouse Monoclonal to His tag antibody
Immunogen	6x His synthetic peptide
Specificity	Recognizes His-tagged recombinant proteins or His-tagged proteins overexpressed in cells.

Background Information

His 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. The H-H-H-H-H-H motif is used as a tag on many recombinant proteins to facilitate purification. His tagging is the option of choice for purifying recombinant proteins in denaturing conditions because its mode of action is dependent only on the primary structure of proteins. The antibody recognizes the His-tag fused to the amino- or carboxy- termini of targeted proteins in transfected or transformed cells.

Application Notes

Optimal working dilutions should be determined experimentally by the investigator. Suggested starting dilutions are as follows: Western blot (1:1000-10,000), Immunofluorescence (1:200-1:800), Immunoprecipitation (1:200).

Host

Mouse

Clonality

HIS.H8

Storage Buffer

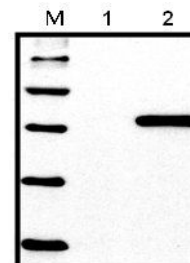PBS, pH 7.4 with 0.05% sodium azide, 50% Glycerol.
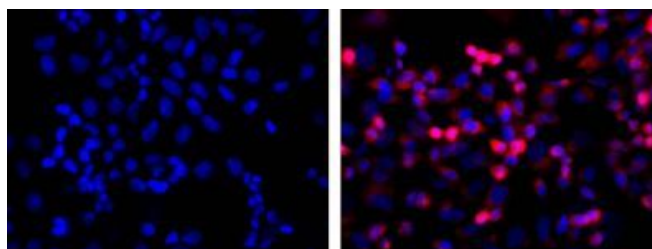
Form

Liquid, 1.000mg/ml

Storage Instructions

Stable for 1 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. Aliquot will be stable at 4°C for 3 months.

Images

Western blot of 293 cells transfected with His-tagged vector(2) and untransfected control (1)

Immunofluorescence(red) analysis of His-tag fusion protein in 293 cells with untransfected control(left hand panel) and transfected(right hand panel). Counterstained with DAPI (blue).