

Mouse anti-His Monoclonal Antibody

Cat. No. CAB089 Lot. No. (See product label)

SPECIFICATION

Product Overview

Species Human

Source Mouse

Antigen Information

A polyhistidine-tag is an amino acid motif in proteins that consists of at least six 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 (registered by EMD Biosciences). The tag was invented by Roche and its vectors are distributed by Qiagen. A Variety of purification kits for histidine-tagged proteins are available from Qiagen, Sigma, Thermo Scientific, GE Healthcare and others. The use of the tag for academic users is unrestricted; however, commercial users must pay royalties to Roche. Suitable tag sequences are available for free commercial use; for example, MK(HQ)6 may be used for enhanced expression in E. coli and tag removal. The total number of histidine residues may vary in the tag. The his-tag may also be followed by a suitable amino acid sequence that facilitates a removal of the polyhistidine-tag using endopeptidases. This extra sequence is not necessary if exopeptidases are used to remove N-terminal His-tags (e.g., Qiagen TAGZyme). Furthermore, exopeptidase cleavage may solve the unspecific cleavage observed when using endoprotease-based tag removal. Polyhistidine-tags are often used for affinity purification of genetically modified proteins.

Epitope This antibody can recognize protein with His-tag in C-terminal.

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application	E(1:5000); WB(1:1000)
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Storage	One year at 4°C
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