

Anti His-Tag Mouse Monoclonal Antibody, HRP conjugated



Catalog #: T032-HRP

Aliases

6 His epitope tag; Hexa His tag; HHHHHH epitope tag; HHHHHH tag; His tag

Background

The His-Tag (or Polyhistidine tag) is a short amino acid sequence, typically composed of six to ten consecutive histidine residues (e.g., His₆), genetically engineered onto either the N- or C-terminus of a recombinant protein. Its primary function is to facilitate the purification of the tagged protein using immobilized metal affinity chromatography (IMAC). Histidine residues possess an imidazole side chain that exhibits high affinity for certain divalent metal ions, such as nickel (Ni²⁺), cobalt (Co²⁺), copper (Cu²⁺), or zinc (Zn²⁺). This specific interaction allows the His-tagged protein to bind tightly to a chromatography resin charged with one of these metal ions.

Application Information

Molecular Weight: Recombinant protein dependent

Clonality: Mouse monoclonal antibody

Species Reactivity: Recombinant protein

Applications Tested: Western blotting (WB), immunocytochemistry (IC)

Conjugation: HRP

Immunogen

A synthesized peptide derived from His-tag

Storage Buffer

Supplied in PBS (pH7.2) containing 50% glycerol, 1% BSA and 0.02% sodium azide.

Storage

Store at -20 °C for one year.

Recommended Dilutions

Western Blotting (WB): 1:2,000-1:5,000

Immunocytochemistry (IC): 1:500-1:2,000

Note: This product is for research use only.

Validation Data

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