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Antibody to 6-His
Mouse Monoclonal

Catalog Number: AB-213
Quantity: 100 micrograms
Format: PBS, pH 7.4 with 0.05% sodium azide. Frozen liquid.
Host: Mouse
Isotype: IgG_{2b}
Clone: HIS.H8
Immunogen: 6x His synthetic peptide

Background:

The use of polyhistidine tags has become a popular method for protein purification, commonly used in the screening process as a tag for your protein or peptide of interest. This polyhistidine epitope tag is generally comprised of six consecutive histidine amino acid residues located at the N-terminal, C-terminal, or internally. The 6 His-Tag is widely used because of its affinity to bind nickel or cobalt metal ions attached to sepharose, which can then be used to purify the protein in a native or denatured state. Whether the material you are screening for is affinity-purified or in crude bacterial extract, you will find our antibody suitable to your needs.

Specificity and Preparation:

Recognizes His-tagged recombinant proteins or His-tagged proteins over-expressed in cells. Concentration 1 mg/ml.

Usage and Storage:

Applications include Western Blot (1:1000), immunoprecipitation and immunostaining (1:200). This antibody has also been used in ELISA and dot-blot; the dilutions for these applications are assay dependent. Store the antibody at 4°C for three months or -20°C in undiluted aliquots for up to one year. Avoid repeated freezing and thawing. Gently spin down material before use; 5-10 seconds in a microfuge should be adequate.