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AM26391PU-N Monoclonal Antibody to 6xHistidine Epitope Tag (HHHHHH) - Purified

Quantity: 0.1 mg

Background: Plasmid vectors for the expression of coding regions of eukaryotic genes in bacterial, insect and mammalian hosts are in common usage; such expression vectors are frequently used to encode hybrid fusion proteins consisting of a eukaryotic target protein and a specialized region designed to aid in the purification and visualization of the target protein. A system that has proven to be very successful relies on the insertion of a six histidine (6xHis) sequence in the N-terminus of the encoded protein, allowing for efficient coupling to Ni -chelating resins and purification by single step affinity chromatography. Visualization of such fusion proteins can be achieved by utilizing antibodies generated against specific peptide sequences downstream from the multiple cloning site. The antibody is useful for detection, isolation and localization of the His-tag proteins.

Host / Isotype: Mouse / IgG1

Recommended Isotype Controls: AM03095PU-N

Clone: 10A12

Immunogen: Synthetic 6 x Histidine peptide conjugated with KLH

Format: **State:** Lyophilized purified IgG fraction
Buffer System: 0.01M PBS pH 7.2
Endotoxin Level: Restore with appropriate volume of dsitilled water to reach a final concentration of 1.0 mg/ml.

Applications: **Western blot.**
Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Specificity: This antibody binds to His-tagged recombinant protein, but not with KLH.

Storage: Prior to reconstitution store at 2-8°C.
Following reconstitution store undiluted at 2-8°C for one month
or (in aliquots) at -20°C for longer.
Avoid repeated freezing and thawing.
Shelf life: one year from despatch.

Pictures:

Western blotting using anti-His antibodies (HisH8 and 10A12) to detect His-tagged HIV p24