

Murine Anti-His

Clone GMA-620

His-tags are often used as a conjugate for recombinant proteins and peptides for ease of purification and detection. C- or N-terminal 6x His tags are most common and are 0.84 kDa in size with low immunogenicity. In experiments where His-conjugates are used, rigorous experiments should include negative controls that demonstrate that responses are to the protein of interest, and not the His-tag portion of the molecule. GMA-620 binds His-tagged proteins in solid phase ELISA.

Description

Antibody Source: mouse monoclonal, IgG₁

Antigen Species Bound: N/A

Specificity: His-tagged proteins

Immunogen: His-tagged protein

Formulation and Storage

Purity: Purified by protein G affinity chromatography from serum-free cell culture supernatant.

Product Formulation: Lyophilized from a ≥ 1 mg/ml solution in 20 mM NaH₂PO₄ 0.15 M NaCl, 1.0% (w/v) mannitol, pH 7.4. Concentration determined by absorbance measurement at 280 nm and using an extinction coefficient of 1.4 ($\epsilon_{0.1\%}$).

Reconstitution: Reconstitute with deionized water.

Storage: Store lyophilized or reconstituted and aliquoted material at -20 °C for prolonged periods. Avoid freeze-thaw cycles. Alternatively, add 0.02% (w/v) sodium azide to reconstituted solution and store at 4 °C.

Country of origin: USA

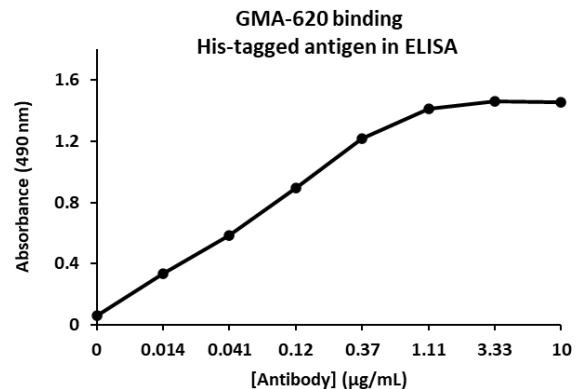
Size Options: 0.1 mg or 0.5 mg

Applications

Working Concentration: Approximately 1-5 μ g/ml. Researcher should titer antibody in specific assay.

ELISA: Binds His-tagged proteins in solid-phase ELISA.

Immunoblotting: Binds recombinant protein with a terminal His-tag under non-reduced and reduced conditions.



Western Blot of non-reduced 0.5 μ g His-tagged protein, 1 μ g/mL GMA-620

