

Rev04
Update: Jun,25,2023

DATASHEET

Protein A Antibody, mAb, Mouse

Cat. No.: A01778

Overview

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| Specificity | GenScript Protein A Antibody, mAb, Mouse detects natural Protein A, variety of recombinant Protein A variants and MabSelect™ SuRe™ ligand. |
| Host Species | Mouse |
| Immunogen | Purified recombinant Protein A |
| Conjugate | Unconjugated |

Applications

Working concentrations for specific applications should be determined by the investigators. The appropriate concentrations may be affected by secondary antibody affinity, antigen concentration, the sensitivity of the method of detection, temperature, the length of the incubations, and other factors. The suitability of this antibody for applications other than those listed below has not been determined. The following concentration ranges are recommended starting points for this product.

| Application | Recommended Usage |
|--------------------|--|
| Sandwich ELISA | Capture with A01778 and detected by A01779 Capture: 1-10 µg/ml Detection: 0.05-0.2 µg/ml |
| Western Blot | 0.5 -1 µg/ml |

Properties

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| Form | Lyophilized |
| Storage Buffer | Supplied in PBS, pH 7.4 with 0.02% sodium azide |
| Reconstitution | Reconstitute the lyophilized antibody with deionized water (or equivalent) to the final concentration of 0.5 mg/ml. |
| Storage Instructions | The product remains stable up to 1 year at -20 °C from date of receipt. Upon reconstitution, it can be stored for 2-3 weeks at 2-8 °C or for up to 12 months at -20 °C or below. Avoid repeated freezing and thawing cycles. |

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| Purification | Protein A affinity column |
| Isotype | IgG1, κ |
| Clonality | Monoclonal |
| Clone ID | 4F9A8 |

Background

Target Background : Protein A, a bacterial cell wall protein isolated from *Staphylococcus aureus*, binds to mammalian IgGs mainly through Fc regions. The Protein A is most commonly bound to a chromatography resin, used for production of antibody drugs or reagents. Protein A antibody can be used for quantification of Protein A in drugs and foods or for evaluation of Protein A resin. This Protein A mAb is advantageous due to its IgG1 isotype, for mouse IgG1 has weak binding capacity to Protein A.

GenScript Protein A Antibody, mAb, Mouse is produced from the hybridoma resulting from fusion of SP2/0-Ag14 myeloma and B-lymphocytes obtained from mouse immunized with purified recombinant Protein A.

Synonyms : Protein A Antibody, mAb, Mouse

For laboratory research use only. Direct human use, including taking orally and injection and clinical use are forbidden.

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