

DATASHEET

Version: 2016-08-17

Protein A Antibody, mAb, Mouse**Cat. No.:** A01778**Size:** 100 µg**Synonyms:** Protein A Antibody, mAb, Mouse;**Description:**

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.

Immunogen: purified recombinant Protein A**Host:** Mouse**Conjugation:** Unconjugated**Fusion Partner:**

Spleen cells were fused with SP2/0-Ag14 mouse myeloma cells.

Formulation:

0.5 mg/ml, lyophilized with PBS, pH 7.4, containing 0.02% sodium azide.

Clone: 4F9A8**Ig Subclass:** IgG1, κ **Specificity:** GenScript Protein A Antibody, mAb, Mouse

detects natural Protein A, variety of recombinant Protein A variants and MabSelect SuRe™ ligand.

Purification: Protein A affinity column**Applications:**

Working concentrations for specific applications should be empirically determined by the investigator. The appropriate concentrations may be affected by secondary antibody affinity, antigen concentration, the sensitivity of the detection methods, 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.

ELISA Capture: 1-10 µg/ml**ELISA Detection:** 0.05 - 0.2 µg/ml**Recommended antibody pairing for sandwich****immunoassay:** Capture with A01778 and detected by A01779**Western Blot:** 0.5 -1 µg/ml**Other applications:** user-optimized**Reconstitution:**

Reconstitute the lyophilized product with 200 µl deionized water (or equivalent) to make antibody concentration of 0.5 mg/ml.

Storage:

GenScript Protein A Antibody, mAb, Mouse should be stored lyophilized until use. It remains stable in lyophilized form for at least two years if stored at -20°C or below. The reconstituted antibody 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.