

Rev05
Update: Nov,03,2023

DATASHEET

Protein A Antibody [Biotin], mAb, Mouse

Cat. No.: A01779

Overview

Specificity	GenScript Protein A Antibody [Biotin], 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	Biotin

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.

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

Form	lyophilized
Storage Buffer	lyophilized with PBS, pH 7.4, containing 10 mg/mL BSA and 0.02% sodium azide.
Reconstitution	Reconstitute the lyophilized powder with deionized water (or equivalent) to an final concentration of 0.5 mg/mL.
Storage Instructions	The lyophilized product remains stable for up to 1 year at -20 °C from the 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.

Purification	Protein A affinity column
Isotype	Mouse IgG1, κ
Clonality	Monoclonal
Clone ID	5G10A7

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 sample 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 [Biotin], mAb, Mouse is Protein A Antibody conjugated with biotin. The conjugated antibody is suitable for detecting the expression level of Protein A.

Synonyms : Protein A Antibody [Biotin], mAb, Mouse;

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

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