A26331

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Protein A Rabbit mAb

Catalog No.: A26331 Recombinant 1 Publications

Basic Information

Observed MW
Refer to figures

Calculated MW

Category
SMab Recombinant Monoclonal Antibody

Applications
WB,ELISA

Cross-Reactivity
Staphylococcus aureus

Background

Protein A is a cell wall protein (~ 56kDa) isolated from Staphylococcus aureus. It consists of three regions : S is a processing signal sequence during secretion ; five homologous IgG binding domains E, D, A, B and C, as well as a cell wall anchoring region XM. The molecular weight of the truncated protein lacking the X region is about 31KD. Protein A can specifically bind to an amino acid sequence at the junction of heavy chain CH2 and CH3 in the Fc fragment of IgG, and can also bind to the heavy chain CDR2 and CDR3 regions in the Fab fragment. It has been demonstrated that the interaction between Protein A and IgG only involves the Fc region, and does not affect the binding of the Fab fragment to the antigen. Protein A binds to various human, mouse and rat IgG subclasses (e.g. human IgG1, IgG2, IgG4 ; mouse IgG2a, IgG2b, IgG3 ; rat IgG2c).

Recommended Dilutions

WB	1:500 - 1:1000
ELISA	Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID
3919448

Swiss Prot
P02976

Immunogen
Recombinant protein (or fragment).This information is considered to be commercially sensitive.

Synonyms
Protein A

Contact

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Product Information

Source
Rabbit

Isotype
IgG

Purification
Affinity purification

Storage
Store at -20℃