

Protein A Antibody

Monoclonal Rat IgG_{2A} Clone # 1051739 Catalog Number: MAB99763

DESCRIPTION		
Specificity	Detects Protein A in direct ELISA.	
Source	Monoclonal Rat IgG _{2A} Clone # 1051739	
Purification	Protein A or G purified from hybridoma culture supernatant	
Immunogen	Recombinant Protein A	
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 µm filtered solution in PBS.	

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.

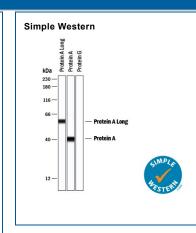
	Recommended Concentration	Sample
Western Blot	2 μg/mL	Protein A Long, Protein A, Protein G (neg)
Simple Western	20 μg/mL	Protein A Long, Protein A, Protein G (negative control)

DATA

Western Blot | V | Signature | Signature

Detection of Multi-species Protein A by Western Blot.

Western blot shows recombinant Protein A Long, Protein A, Protein G (neg). PVDF membrane was probed with 2 µg/mL of Rat Anti-Protein A Monoclonal Antibody (Catalog # MAB99763) (Left) or an irrelevant Rat IgG (Right) followed by HRP-conjugated Anti-Rat IgG Secondary Antibody (Catalog # HAF005). A specific band was detected for Protein A at approximately 55, 33 kDa (as indicated) only with MAB99763. This experiment was conducted under reducing conditions and using Western Blot Buffer Group



Detection of Multi-species

Protein A by Simple Western™. Simple Western lane view shows lysates of Protein A Long, Protein A. Protein G (negative control). loaded at 0.2 mg/mL. A specific band was detected for Protein A at approximately 40, 58 kDa (as indicated) using 20 $\mu\text{g/mL}$ of Rat Anti-Protein A Monoclonal Antibody (Catalog # MAB99763) followed by 1:50 dilution of HRPconjugated Anti-Rat IgG Secondary Antibody (Catalog # HAF005). This experiment was conducted under reducing conditions and using the 12-230 kDa separation system.

PREPARATION AND STORAGE

Reconstitution Reconstitute at 0.5 mg/mL in sterile PBS.

Shipping The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

*Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C

- 12 months from date of receipt, -20 to -70 °C as supplied.
- 1 month, 2 to 8 °C under sterile conditions after reconstitution.
- 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

The recombinant Protein A is a genetically engineered protein containing 5 IgG-binding regions of protein A. Cell wall binding region, cell membrane binding region and albumin binding region have been removed from the recombinant Protein A to ensure the maximum specific IgG binding. The recombinant Protein A is used in purification of polyclonal or monoclonal IgG antibodies. Protein A binds to various human, mouse and rat IgG subclasses (e.g., human IgG1, IgG2, IgG4; mouse IgG2a, IgG2b, IgG3; rat IgG2c). It also binds to total IgG from rabbit, guinea pig, pig, dog and cat.

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