

Recombinant Staphylococcus aureus Protein A ab52953

[2 References](#) [画像数 2](#)

製品の詳細

製品名	Recombinant Staphylococcus aureus Protein A
精製度	> 99 % SDS-PAGE. Purity: >99% by SDS-PAGE and HPLC analyses.
エンドキシン・レベル	< 0.100 Eu/mg
発現系	Escherichia coli
アクセッション番号	P02976
タンパク質長	Protein fragment
Animal free	Yes
由来	Recombinant
生物種	Staphylococcus aureus
予測される分子量	36 kDa
領域	32 to 327
タグ	His tag N-Terminus
配列の追加情報	Protein A Ig binding domains with 6x His-tag on N-terminus. There is a linker between the His tag and recombinant fragment (~11 aa). The sequence cannot be shared.

特性

Our **Abpromise guarantee** covers the use of **ab52953** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

アプリケーション	SDS-PAGE
製品の状態	Liquid
備考	<p>This product is manufactured by BioVision, an Abcam company and was previously called 6500 Protein A (Liquid form). 6500-10 is the same size as the 10 mg size of ab52953.</p> <p>The cell wall binding region, albumin binding region and other non-specific binding regions have been eliminated from this protein to ensure the maximum specific IgG binding. . The 6x His-tag can be used for affinity purification or for protein A detection using anti-His-tag antibody. The recombinant Protein A is ideal for purification of polyclonal or monoclonal IgG antibodies.</p> <p>Protein A binds to most human and mouse IgG subclasses (e.g: human IgG1, IgG2, IgG4; mouse IgG1, IgG2a, IgG2b, IgG3).</p>

It also binds to total IgG from cow, guinea pig, hamster, horse, pig, and rabbit.
Protein A has little affinity to chicken, goat, rat and sheep.

前処理および保存

保存方法および安定性

Shipped at 4°C. Upon delivery aliquot. Store at -20°C. Avoid freeze / thaw cycle.
Constituent: Water

関連情報

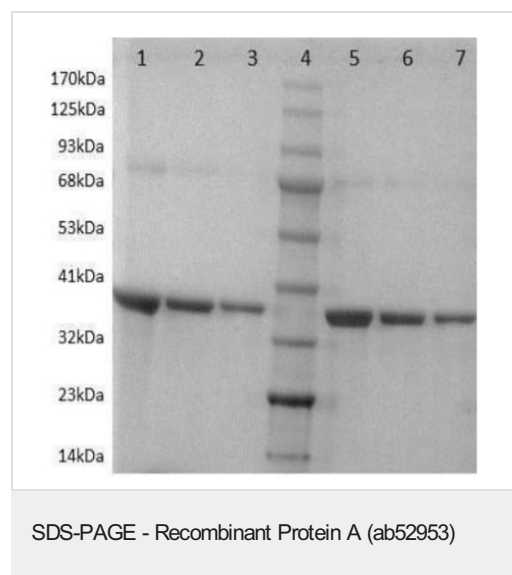
関連性

Protein A is a surface protein of *S.aureus* which binds IgG molecules by their Fc region. In serum, the bacteria will bind IgG molecules in the wrong orientation on their surface which hinders opsonization and phagocytosis. Mutants of *S. aureus* lacking protein A are more efficiently phagocytosed in vitro, and mutants in infection models have diminished virulence. Due to its affinity for the Fc region of many mammalian immunoglobulins, protein A is considered a universal reagent in biochemistry and immunology.

細胞内局在

Secreted; cell wall.

画像

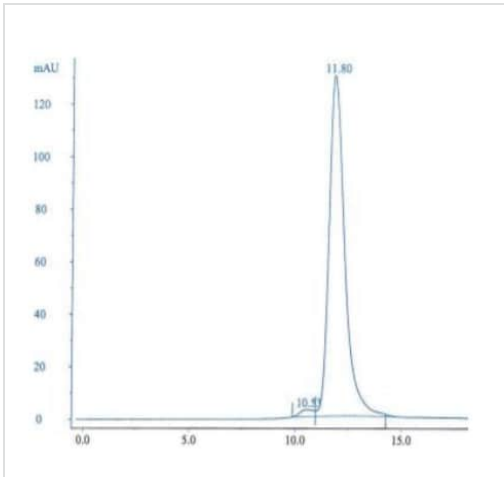


SDS-PAGE (4-20%) of Recombinant Protein A.

Lane 1-3: 5, 2.5, and 1 μg, Protein A under Reducing conditions,

Lane4: protein Ladder;

Lane5-7: 5, 2.5, and 1 μg of Protein A under Non-Reducing conditions



Size Exclusion Chromatography - Recombinant Protein A (ab52953)

SEC chromatography of Protein A. The apparent molecular weight is ~ 70 KDa calculated based on SEC standard curve.

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