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Datasheet for ABIN964535

Streptavidin Protein

1 Image

Overview

| | |
|---------------|-----------------------|
| Quantity: | 5 mg |
| Target: | Streptavidin |
| Origin: | Streptomyces avidinii |
| Host: | Please inquire |
| Protein Type: | Native |
| Application: | Western Blotting (WB) |

Product Details

| | |
|------------------|---|
| Specificity: | Streptavidin is chromatographically pure and shows predominantly a single 53,600 dalton band by SDS-PAGE. |
| Characteristics: | Specific Activity Value: 17.6 U/mg by biotin titration method |

Target Details

| | |
|-------------|--|
| Target: | Streptavidin |
| Abstract: | Streptavidin Products |
| Background: | <p>Streptavidin is a bacterial protein (from <i>Streptomyces avidinii</i>) that has an exceptionally high binding affinity for biotin (B7). Streptavidin-biotin binding is one of the strongest known non-covalent interactions and is highly resistant to many conditions that would typically cause dissociation (such as organic solvents, denaturants, detergents, and extreme temperatures or pH). Streptavidin's affinity for biotin can be employed in a variety of experimental uses, from purifications to standards, to means of detection or pull down experiments.</p> <p>Synonyms: SA, S avidin, streptococcus avidin</p> |

Target Details

UniProt: [P22629](#)

Application Details

Application Notes: Streptavidin is suitable for use as antigen, as a control or standard in assays, and most other immunological methods as well as enzyme conjugates and complexes Southern blots and other methodologies related to DNA and RNA analysis Western blots and purification of proteins or other antigens with biotinylated antibodies or lectins by use of immobilized streptavidin.

Comment: Streptavidin is suitable for use as antigen, as a control or standard in assays, and most other immunological methods as well as enzyme conjugates and complexes, Southern blots and other methodologies related to DNA and RNA analysis, Western blots, and purification of proteins or other antigens with biotinylated antibodies or lectins by use of immobilized streptavidin.

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Reconstitution Buffer: Restore with deionized water (or equivalent), Reconstitution Volume: 5.0 mL

Concentration: 0.9 mg/mg

Buffer: 0.15 M Sodium Chloride

Storage: 4 °C

Expiry Date: 12 months



Western Blotting

Image 1. SDS-Page of Streptavidin. Lane 1: Molecular weight markers. Lane 2: Streptavidin. Load: 1.0 ug per lane. Predicted/Observed size: The molecular weight of streptavidin is 55,000 daltons. The protein is composed of 4 essentially identical polypeptide chains (homotetramer). This product is chromatographically pure Streptavidin and shows predominantly a single 13.800 dalton band by SDS-PAGE.