

wt-Streptavidin

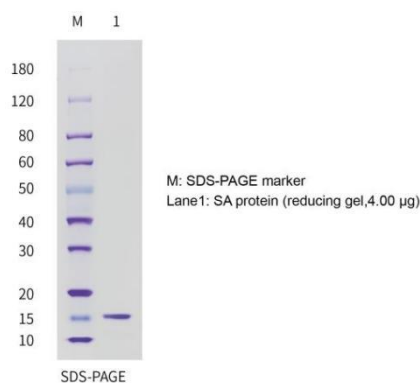
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DESCRIPTION

Name	wt-Streptavidin,wt-SA
Source	Streptomyces fermentation culture
Purity	>90% as judged by SDS-PAGE analysis
molecular weight	66 kDa
specific activity	> 14U/mg
Product Features	Liquid, colorless and clear
Buffer	PBS PH7.4
Applications	Conjugated enzymes, fluorescein, colloidal gold and other active substances can also be coupled to solid-phase carriers such as magnetic beads, microspheres, and microplates.
Storage and Handling	For long term use, aliquot and store at -80°C after reconstitution (avoiding frequent freeze-thaws).

Background Streptavidin (SA) is a tetramer protein secreted by Streptomyces during cultivation, with a molecular weight of approximately 66kDa. Streptomycin has similar biological characteristics to avidin, with each subunit possessing a site capable of tightly binding to biotin. It can form stable non covalent specific complexes with the imidazole copper ring of biotin. Streptomycin is often coupled with other active substances such as enzymes, fluorescein, colloidal gold, etc. It can also be coupled with solid-phase carriers such as magnetic beads, microspheres, and microplates to participate in signal amplification in immunology. It is widely used in ELISA, IHC, immunochromatography, protein purification, luminescence diagnosis, biosensors, and the production of biochips.

Quality Assurance



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