

Recombinant Sticky Streptavidin (r-ScSA)

S767462

Storage: -20°C. Avoid freeze/thaw cycle.

Introduction:

Streptavidin (SA) is a homologous tetramer protein secreted by *Streptomyces avidinii* during its growth. As with avidin, one mole of streptavidin can bind four moles of biotin, and biotin has a high affinity. Because SA does not contain a sugar group, SA has a lower non-specific binding level than avidin in detection applications. It has been widely used in enzyme-linked immunosorbent assay, immunohistochemistry, time-resolved immunofluorescence technique (TRFIA), quantitative PCR, single-strand DNA preparation, biomolecular purification, monoclonal antibody preparation and other biotechnology fields. However, the adsorbability of streptavidin is poor, and it is difficult to adsorb or embed it into NC film in practical applications. Viscous recombinant streptavidin (S-rSA) is mainly used to solve this problem. It not only has the core sequence related to activity, but also has better adsorption, stability and solubility than natural SA. In particular, the adsorption of NC film is far more than that of natural SA.



Comparison of adsorption and activity of different SA on NC films by Slot-Blot method.

Precautions:

1. This product is for scientific use only.