

Streptavidin Conjugates

Signal Amplifier in Scientific Research

Preamble

Streptavidin Conjugates

Streptavidin is a tetramer bacterial protein isolated from *Streptomyces virescens* with 4 strong biotin-binding sites and an extremely high affinity for biotin, one of the strongest non-covalent interactions in nature. Biotin is a popular choice for protein and cell labeling due to its small size and ease of labeling various reactive groups.

Streptavidin conjugate is a tool that uses the binding properties of high affinity between streptavidin (SA) and Biotin to pair streptavidin with different marker molecules or detection reagents. Such couplings are widely used in biomedical research and diagnostics.

Two major advantages:

1. Improve detection sensitivity and amplify weak signals.
2. Allow a variety of tag coupling, with versatility.

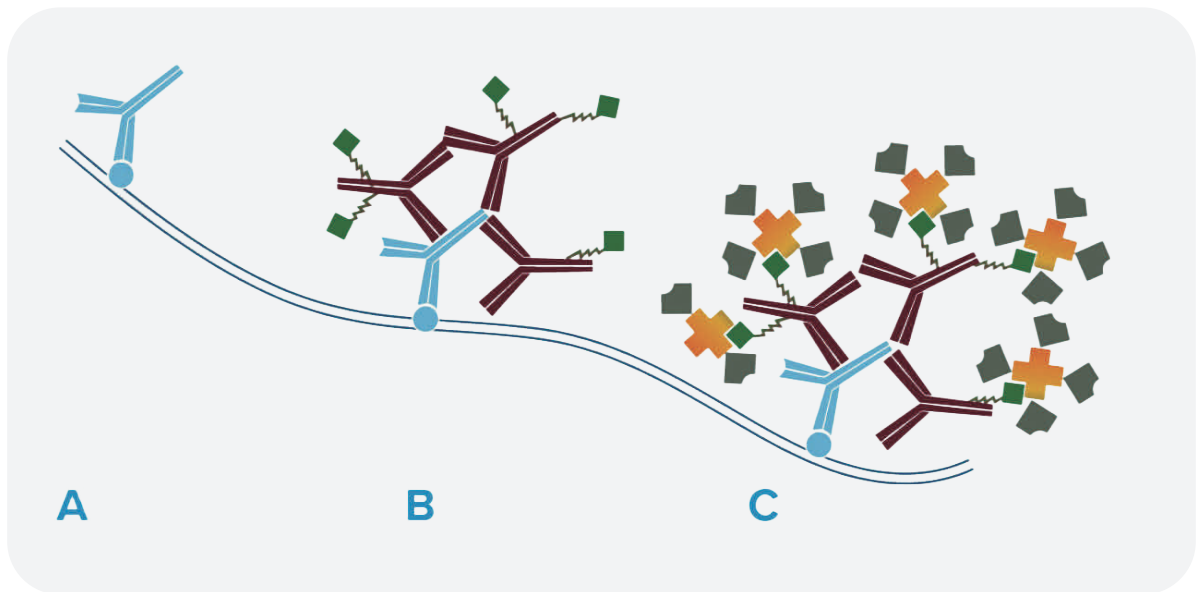
Applications :

1. Enzyme-linked Immunosorbent Assay
2. Immunohistochemistry
3. Flow Cytometry
4. Western Blot
5. Cell Surface Labeling
6. Affinity Purification



Enzyme-labeled Streptavidin Conjugates

Enzyme-labeled Streptavidin Conjugates act as signal amplification by binding to the primary or secondary antibody labeled with biotin and catalyzing the corresponding substrate with the carried enzyme. It is commonly used in enzyme-linked immunosorbent assay (ELISA), immunohistochemistry, western blotting and in situ hybridization. Horseradish peroxidase (HRP) and alkaline phosphatase (AP) are widely used as reporter enzymes because of their high turnover, stability, easy binding and low cost.



The binding process of HRP- Streptavidin conjugate and biotin-labeled secondary antibody

Cat.No	Product Name	Product Size
np156148	SA-HRP	0.1ml;1ml
np169050	Recombinant Streptavidin Protein (alkaline phosphatase)	10µg;100µg;1mg

Fluorescent Streptavidin Conjugates

The marker is a fluorescent substance, suitable for fluorescence imaging, flow cytometry, and other related applications.

Cat.No	Product Name	Product Size
Classic Fluorescent Dye Conjugates		
rp155876	Streptavidin protein (FITC)	1ml;0.5ml;0.1ml
rp169049	Streptavidin protein (TRITC)	1mg;100µg
rp210234	Recombinant Streptavidin Protein (Cy3)	1mg;100µg;10µg
rp169047	Recombinant Streptavidin Protein (Cy5)	1mg;100µg
AF Series Conjugates		
rp188526	Recombinant Streptavidin Protein (AF350)	1mg;100µg;10µg
rp181942	Recombinant Streptavidin Protein (AF405)	1mg;100µg;10µg
rp181943	Recombinant Streptavidin Protein (AF488)	1mg;100µg;50µg;10µg
rp639012	Recombinant Streptavidin Protein (AF546)	1mg;100µg;10µg
rp181944	Recombinant Streptavidin Protein (AF555)	1mg;100µg;10µg
rp181945	Recombinant Streptavidin Protein (AF594)	1mg;100µg;10µg
rp177486	Recombinant Streptavidin Protein (AF633)	1mg;100µg;10µg
rp181946	Recombinant Streptavidin Protein (AF647)	1mg;100µg;10µg
rp177491	Recombinant Streptavidin Protein (AF660)	1mg;100µg;10µg
rp214296	Recombinant Streptavidin Protein (AF680)	1mg;100µg;10µg
rp188527	Recombinant Streptavidin Protein (AF700)	1mg;100µg;10µg
rp188528	Recombinant Streptavidin Protein (AF750)	1mg;100µg;10µg
APC, PE, PerCP and Tandem Dye Conjugates		
rp156150	Streptavidin-Phycoerythrin (R-PE)	1ml;100µl;0.1ml
rp188522	Recombinant Streptavidin Protein (PE-Cy5)	1mg;100µg;10µg
rp177472	Recombinant Streptavidin Protein (PE-Cy5.5)	100µg;25µg;10µg
rp188523	Recombinant Streptavidin Protein (PE-Cy7)	1mg;100µg;10µg
rp169048	Streptavidin protein (APC)	1ml;100µl;10µl
rp188524	Recombinant Streptavidin Protein (APC-Cy7)	100µg;25µg;10µg
np169052	Streptavidin protein (PerCP)	1ml;100µl
rp188525	Recombinant Streptavidin Protein (PerCP-Cy5.5)	100µg;25µg;10µg
Other Fluorescent Dye Conjugates		
rp217313	Recombinant Streptavidin Protein (Oregon Green 488)	1mg;100µg;10µg
rp220554	Recombinant Streptavidin Protein (LumiDye™ Blue 515)	1mg;100µg;10µg

Cat.No	Product Name	Product Size
Other Fluorescent Dye Conjugates		
rp220555	Recombinant Streptavidin Protein (LumiDye™ Blue 525)	1mg;100µg;10µg
rp220558	Recombinant Streptavidin Protein (LumiDye™ Yellow-Green 568)	1mg;100µg;10µg
rp220559	Recombinant Streptavidin Protein (LumiDye™ Blue 575)	1ml;100µl
rp220565	Recombinant Streptavidin Protein (LumiDye™ Red 665)	1mg;100µg;10µg
rp220574	Recombinant Streptavidin Protein (LumiDye™ Blue 670)	1mg;100µg;10µg

NeutrAvidin Conjugates

NeutrAvidin Protein Conjugates, with low background interference, suitable for high-specificity detection.

Cat.No	Product Name	Product Size
rp188518	NeutrAvidin Protein (HRP)	2mg;1mg;100µg;10µg
rp188520	NeutrAvidin Protein (PE)	1mg;100µg;10µg
rp188521	NeutrAvidin Protein (TRITC)	1mg;100µg;10µg
rp217318	NeutrAvidin Protein (Oregon Green 488)	1mg;100µg;10µg

Recombinant Streptavidin Variants

Unlabeled recombinant streptavidin derivative, suitable for custom conjugation or specialized experimental needs.

Cat.No	Product Name	Product Size
R748131	Recombinant Monomeric Streptavidin (r-mSA)	100mg;20mg;5mg;1mg
S767455	Recombinant Stability-enhanced Core Streptavidin (r-se-cSA)	20mg;5mg;1mg
R767460	Recombinant Core Streptavidin (r-cSA)	20mg;5mg;1mg
R767461	Recombinant Core Streptavidin 2 (r-cSA2)	20mg;5mg;1mg
R767452	Recombinant Core Streptavidin 4 (r-cSA4)	20mg;5mg;1mg
S767462	Recombinant Sticky Streptavidin (r-ScSA)	20mg;5mg;1mg
R767450	Recombinant Long-Arm Sulfhydryl Group Core Streptavidin (r-las-cSA)	20mg;5mg;1mg

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