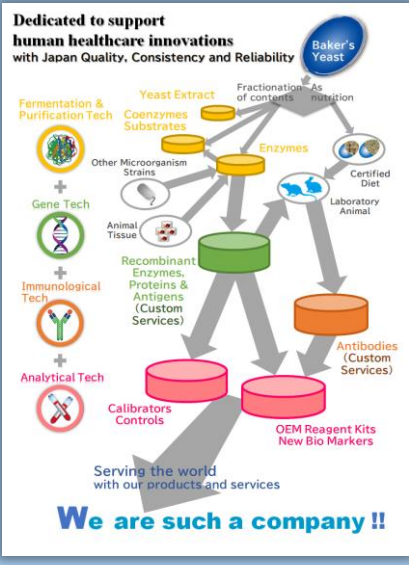


OYC Immunologicals

Recombinant Streptavidin

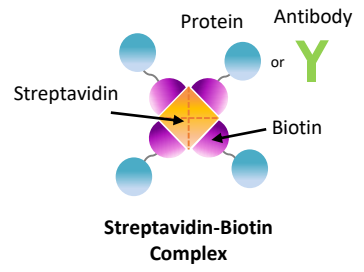


Streptavidin, as one of the components of immunoassays, is useful for immobilizing to solid phase and labeling with enzymes. OYC recombinant Streptavidin is developed as a suitable tool to develop and produce diagnostic and also research test kits by passing stringent product specifications to ensure high biotin affinity. Why do not you try our Streptavidin for your test kits to create higher sensitivity and also easy to construct your ones? Free of charge sample is always available for your evaluation!

For highly sensitive assays in immunodiagnostics

What's Streptavidin?

- Streptavidin is a tetrameric protein to bind biotin.
- Streptavidin-biotin high binding is known as one of the most stable noncovalent interactions and is stably maintained over a wide range of temperature, pH and denaturing agent.

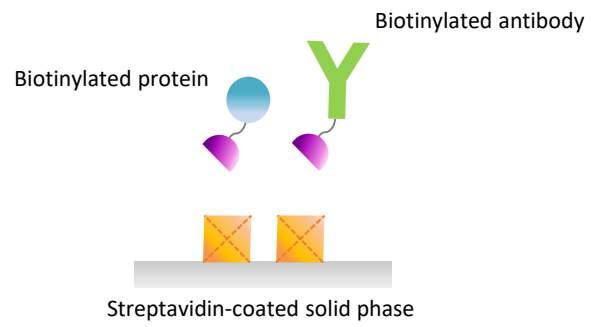


Application for Immunoassays

Streptavidin/Biotin system has been widely used in the field of biotechnology such as immobilization and labeling applied for diagnostics and research test kits. Especially in immunochemical assays, it enables the development of a highly sensitive detection system.

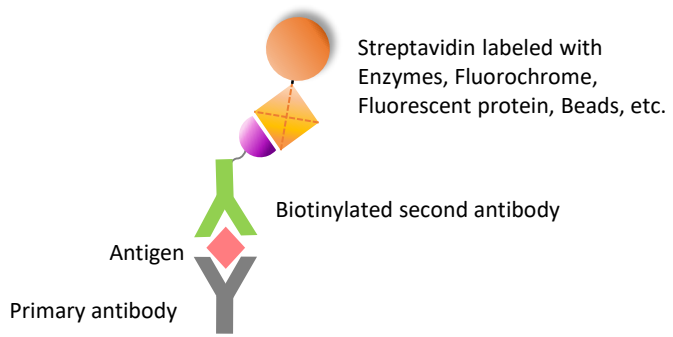
Easy immobilization on solid phases

Use for coating of solid phases such as microplates, beads, microarrays and so on.



Universal detection system by labeling

Use in universal immunological detection systems due to the strong affinity between streptavidin labeled with enzymes or fluorescent substrates and biotinylated proteins or antibodies.



PRODUCT INFORMATION

rStreptavidin

Type	Core
Product Item	rSA-C
Source	<i>Streptomyces avidinii</i>
Molecular Weight ^{*1}	13 kDa
Specific Activity ^{*2}	≥ 17 Units/mg
Product Form	Lyophilized powder
Storage Condition	Below -20°C

- Highly purified recombinant protein expressed by *E. coli*.
- High quality product with minimized lot-to-lot variation.
- Capable of large-scale production in bulk quantities.
- Available in core and full-length of streptavidin to match customer's application.



*1 SDS-PAGE

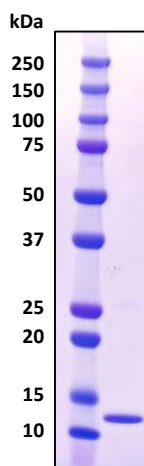
*2 One unit will bind 1.0 μg biotin

Note: These products are just developed at our R&D Lab so that the specifications may be changed in future. Please contact us for the detailed product information.

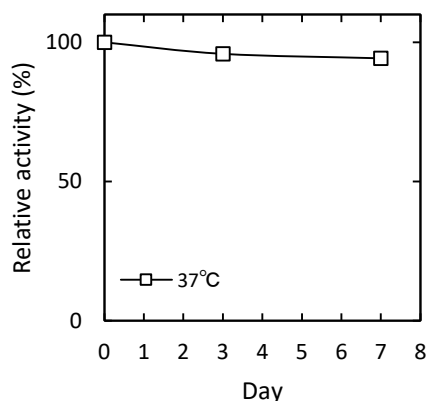
REFERENCE DATA

rSA-C

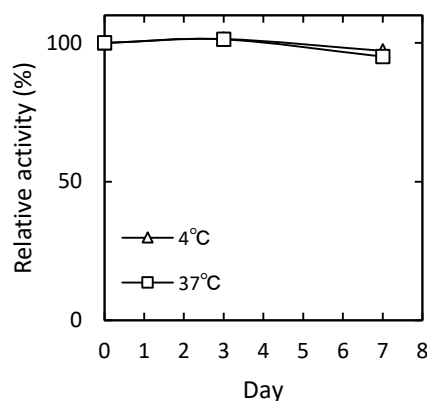
Purity (SDS-PAGE, reduced)



Powder Stability



Reconstituted Stability



RELATED PRODUCTS

Label enzymes suitable for use with Streptavidin

ALP5000 (ALP-H) from Calf intestine

Product Item	Catalog No.
ALP5000	47785955

- Specific activity: > 5000 U/mg protein
- Purity(HPLC): ≥ 97%

ALP2500 (ALP-L) from Calf intestine

Product Item	Catalog No.
ALP2500	47825924

- Specific activity: > 2500 U/mg protein
- Purity(HPLC): ≥ 97%

OYC supports the development and manufacture of IVD reagents for our customers



ORIENTAL YEAST CO.,LTD.

Please contact our sales representative or visit the following website.

<https://www.oyc.co.jp/en/inquiry/index.html>