



Streptavidin Conjugated Horseradish Peroxidase

Product Name: Streptavidin Conjugated Horseradish Peroxidase, Streptavidin-HRP, SA-HRP

Catalog Number: NRPA16

Packing Details: 0.2 ml, 1 ml, 10 mg

Formulation: liquid 1mg/ml SA-HRP, 10mM PB, 50%glycerol, pH7.4; Lyophilized from 10mM PB (8mM Na₂HPO₄, 2mM NaH₂PO₄, pH7.4)

Storage Condition: -20 °C

Storage Duration: 3 years

Description:

Streptavidin conjugated horseradish peroxidase (HRP streptavidin, streptavidin HRP, sa-hrp, hrp-sa, etc.) is a kind of high-purity streptavidin (SA) cross-linked with high-purity horseradish peroxidase and purified. It can be used to detect biotinylated antibody, protein, tissue, cell, nucleic acid and other samples. It is often used as a signal amplifier to improve the detection sensitivity.

Streptavidin (SA) is a tetramer protein formed by four identical subunits, with a molecular weight of about 60kDa, which can bind to biotin with high specificity, and one SA can bind to four biotin. Compared with avidin from egg white, SA has no glycosylation and its isoelectric point is neutral or slightly acidic, so its non-specific binding is much lower than avidin, and its non-specific background is very low when it is used for detection.

Horseradish peroxidase (HRP) is a kind of glycoprotein containing heme. Its molecular weight is about 40 kDa, sugar content is 18%, brown. It can be incubated with substrate to produce a kind of molecular derivative labeled by coloring, fluorescence or luminescence. This phenomenon makes it widely used in the detection of molecular biology, biochemistry, immunology and other fields.

The following table is the recommended dilution ratio for conventional use. In the actual test operation, the dilution ratio of sa-hrp can be adjusted appropriately according to the specific experimental conditions. Taking the conventional Western bolt as an example, 10 ml of 1:2000 diluent is needed for each test, and only 5 μ L (5 μ g) is needed for each test..

WB	ELISA	IHC/IC	Southern/Northern	EMSA
1:2000-10000	1:2000-10000	1:200-500	1:2000-5000	1:2000-5000

WB: Western bolt; IHC: Immunohistochemistry; IC: Immunocytochemistry.

Gentaur Europe BVBA

Voortstraat 49, 1910 Kampenhout BELGIUM
0032 16 58 90 45 info@gentaur.com

Genprice Inc.

547 Yurok Cir San Jose, CA 95123, USA
(408) 780-0908 genprice@gentaur.com