

Streptavidin/HRP

Summary:

Cat. Number: SE068

Quantity size: 0.1mL/1mL

Concentration: 1 mg/mL, Buffer=0.01M PBS (pH 7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.

Storage: Shipped at 4 °C. Store at -20 °C at least one year. Avoid repeated freeze/thaw cycles.

Background:

Streptavidin is a protein with similar biological properties to avidin. It is the secretion of streptomyces avidinii. Streptavidin is a tetrameric protein with a size of 66KDa. One streptavidin can bind to four submit of biotin with a high degree of specificity, and the affinity between the two is extremely strong. The dissociation constant of the streptavidin-biotin complex is on the order of 10 mol/L. The HRP-labeled streptavidin developed by Solarbio is a complex made of high-quality streptavidin and high-activity peroxidase HRP, which can be used for biotin-labeled antibodies, proteins or other labeled molecules. Specific uses include Western, ELISA, immunohistochemistry or immunocytochemistry.

Application:

ELISA=1:1000-10000

WB=1:500-5000

IHC=1:50-500

Not yet tested in other applications.

Dilution is subject to the product label. Optimal dilutions/concentrations should be determined by the end user.

Related Products:

SP034 rabbit IgG immunoglobulin antigen

SPA131 goat anti-mouse IgG (purified)

SA134 Goat anti-rabbit IgG (immune serum)

SF134 Goat anti-rabbit IgG-FITC

SE237 Rabbit anti-pig IgG-HRP

A1800 Antibody Diluent

Related literatures:

- [1] Yansheng Zhai, Xiaoyan Huang, et al. Spatiotemporal-resolved protein networks profiling with photoactivation dependent proximity labeling. August 2022. (IF 17.694).
- [2] Haitao Wang, Jianhua Zhang, et al. A plant virus hijacks phosphatidylinositol-3,5-bisphosphate to escape autophagic degradation in its insect vector. September 2022. (IF 13.391).
- [3] Long Xi, Zibei Lin, et al. Enhanced uptake and anti-maturation effect of celastrol-loaded mannosylated liposomes on dendritic cells for psoriasis treatment. July 2021. (IF 11.614).
- [4] Tian Jiao Li, Kai Zhou Jin, et al. SIGLEC15 amplifies immunosuppressive properties of tumor-associated macrophages in pancreatic cancer. January 2022. (IF8.679).

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.