

Streptavidin, HRP conjugated

Catalog Number: bs-0437P-HRP

Concentration: 1mg/ml

AA Seq: 1-183/183

Tags: Tag free

Activity: Yes

Endotoxin: Not analyzed

Purity: >90% as determined by SDS-PAGE

Purification: AC

Form: Liquid

Applications: **WB** (1:2000-20000), **IHC-P** (1:200-1000), **IHC-F** (1:200-1000), **ELISA** (1:2000-20000)

Storage: 10 mM TBS (pH=7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

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

Background: Streptavidin is a tetrameric protein composed of identical subunits. Each subunit binds one biotin molecule with a KD of ~1x10⁻¹⁵M. The preparation contains an N- and C-terminal shortened variant (core streptavidin) with improved properties concerning homogeneity, solubility, resistance towards proteolytic degradation and accessibility of the biotin binding pocket as compared to native streptavidin. The high affinity recognition of biotin and biotinylated molecules has made streptavidin one of the most important components in diagnostics and laboratory kits.

This enzyme conjugate solution can be used to stain biotinylated antibodies.

VALIDATION IMAGES



The purity of the protein is greater than 90% as determined by reducing SDS-PAGE.



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PRODUCT SPECIFIC PUBLICATIONS

[IF=10.8] Yang Zhou. et al. Extracellular vesicles encapsulated with caspase-1 inhibitor ameliorate experimental autoimmune myasthenia gravis through targeting macrophages. J CONTROL RELEASE. 2023 Dec;364:458 ELISA ; Rat . 37935259

[IF=10.618] Feng Hong. et al. Highly sensitive magnetic relaxation sensing method for aflatoxin B1 detection based on Au NP-assisted triple self-assembly cascade signal amplification. Biosens Bioelectron. 2021 Nov;192:113489 Other ; . 34293688

[IF=8.2] Jing Liu. et al. Nasal instillation of polystyrene nanoplastics induce lung injury via mitochondrial DNA release and activation of the cyclic GMP-AMP synthase-stimulator of interferon genes-signaling cascade. SCI TOTAL ENVIRON. 2024 Jul;:174674 Other ; . 39002594

[IF=6.774] Shen M et al. An enhanced centrifugation-assisted lateral flow immunoassay for the point-of-care detection of protein biomarkers. Lab Chip. 2020 Aug 7;20(15):2626-2634. Other ; Biotin . 32567627

[IF=6.796] Jing Liu. et al. Chronic administration of triclosan leads to liver fibrosis through hepcidin-ferroportin axis-mediated iron overload. J ENVIRON SCI-CHINA. 2023 Feb;: IHC ; Mouse . 10.1016/j.jes.2023.02.004