Datasheet for ABIN3041800
Streptavidin Protein (HRP)

Overview

Quantity: 1 mg
Target: Streptavidin
Origin: Streptomyces avidinii
Source: Streptomyces avidinii
Protein Type: Native
Purification tag / Conjugate: This Streptavidin protein is labelled with HRP.
Application: ELISA, Western Blotting (WB), Dot Blot (DB)

Product Details

Characteristics: Streptavidin is a 47KD protein that extracted from streptomycyes. Just like avidin, streptavidin has very high affinity to biotin molecule, one million times than the common affinity between antigen and antibody. Avidin is a alkalic protein (IP=10.0-10.5), and it can transfer to be a neutral protein through reconstruction. Isoelectric point of the streptavidin is near to neutrality, IP=6.0~6.5. Thus, streptavidin has very low non-specific absorption to tissue and cell. On the basis of streptavidin, the background of immunohistochemistry analysis is extremely low. With the method of polymeric labeling, streptavidin-HRP can form a complex which composed by about one hundred HRP and fifty streptavidin. And lots of enzymes can ensure the streptavidin-HRP with high sensitivity.

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Abstract: Streptavidin Products
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Application Details

Application Notes: Dot blot(ECM)|0.25-0.5 μg/mL| Western blot(DAB)|0.3-2 μg/mL| Western blot(ECM)|0.1-0.3 μg/mL| ELISA|0.025-0.05 μg/mL|

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/mL

Storage: 4 °C

Storage Comment: At 4°C for one year.

expiry Date: 12 months

Publications


There are more publications referencing this product on: Product page