

# Streptavidin (HRP)

**Cat. No. GTX30949**

**Application** WB, ELISA, IHC

**Reference** ( 3 )

**Package**

1 mg

## PRODUCT

### Summary

Streptavidin is a 22- 55 kDa (subunit MW 14 kDa) biotin-binding protein isolated from Streptomyces avidini. Streptavidin is superior to avidin, because it does not contain carbohydrate like avidin and has no net charge at neutral pH. Streptavidin~biotin system is routinely used in Immunohistochemistry (IHC). Extinction Coefficient 1% A280=32.0. Protein content: > 95%. Peroxidase used for conjugation is 44 kDa glycoprotein isolated from horseradish roots. The Rz (Reinhetszahl), absorbance ratio of A403/A275 is ~3.0. One mg of Streptavidin is conjugated with peroxidase, in equimolar ratio. Unconjugated Streptavidin is removed.

## APPLICATION

### Application Note

\*Optimal dilutions/concentrations should be determined by the researcher.

Suggested dilution	Recommended dilution
WB	Assay dependent
ELISA	Assay dependent
IHC	Assay dependent

Not tested in other applications.

## PROPERTIES

**Form** Liquid

**Buffer** 10mM Phosphate, 200mM NaCl (pH7.5), 10mg/ml BSA

**Preservative** 0.05% ProClin 300

**Storage** Store as concentrated solution. Centrifuge briefly prior to opening vial. Store at 4°C.

**Concentration** 1 mg/ml (Please refer to the vial label for the specific concentration.)

**Conjugation** Horseradish peroxidase(HRP)

### Note

For laboratory research use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption.

Purchasers shall not, and agree not to enable third parties to, analyze, copy, reverse engineer or otherwise attempt to determine the structure or sequence of the product.



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