

Streptavidin-conjugated β -galactosidase

Cat. No. SCBG-001

Lot. No. (See product label)

Introduction

Description

Streptavidin-conjugated β -galactosidase is an enzyme-labeled streptavidin reagent for detecting biotin-labeled antibodies, nucleic acids, proteins, and other biotinylated molecules. The conjugate combines highly specific biotin binding by streptavidin with β -galactosidase-mediated enzymatic signal generation.

Applications

ELISA Immunohistochemistry (IHC) Western blotting (WB) Detection of biotinylated nucleic acid probes Detection of biotin-labeled antibodies, proteins, and other molecules

Product Information

Form

Liquid

Specificity

Biotin

Stabilizers

Glycerol

Preservative

Sodium azide

Function

Specifically binds biotin and provides β -galactosidase reporter enzyme activity for enzymatic detection.

Substrates

X-gal (5-bromo-4-chloro-indolyl- β -D-galactopyranoside)

Protocol

ELISA: dilute 1:500–1:1000. Other applications such as ICC/IHC: optimize the working concentration experimentally for the specific assay.

Usage and Packaging

Package

1 mL

Storage and Shipping Information

Storage

Store at 2–8°C. For long-term storage, store at -20°C.

Stability

At least 1 year under the recommended storage conditions.

Shipping Conditions

Ship with ice packs.