



540 Division Street, Campbell, California 95008-6906  
Tel. (408) 866-6363 Fax (408) 866-6364  
www.listlabs.com

Product #112

CERTIFICATE OF ANALYSIS  
CHOLERA TOXIN B SUBUNIT – BIOTIN CONJUGATE  
Lot #11212A1

**Contents**

Each vial contains 0.2 mg of Cholera Toxin B Subunit - Biotin Conjugate. When reconstituted with 0.4 ml of water the protein is in 0.01 M Sodium Phosphate, pH 7.5. **Handle product gently, do not vortex.**

**Concentration**

Protein concentration is determined by absorbance at 280 nm using an extinction coefficient of 0.96 for a concentration of 1 mg/ml.

**Preparation**

Biotinylated Cholera Toxin B Subunit is prepared by conjugating the Cholera Toxin B Subunit (CTB) to Sulfo-NHS-LC-Biotin (Pierce) according to the manufacturer's protocol.

**Assay Results**

This biotinylated CTB was shown to bind GM1 coated plates (2 µg/well) using a peroxidase conjugated Neutravidin™ to detect. The midpoint of the binding curve was approximately 2 ng biotinylated CTB.

The endotoxin content, determined by a kinetic chromogenic LAL assay, is <10 EU/mg.

**Packaging and Storage**

Cholera Toxin B Subunit - Biotin Conjugate is supplied as a lyophilized powder, sealed under vacuum. Store at 2-8°C prior to and after reconstitution.

**Handling**

Good laboratory technique should be employed in the safe handling of this product. Wear appropriate laboratory attire including a lab coat, gloves and safety glasses. Nitrile gloves are recommended for use when handling lyophilized material.

(continued)

This product is intended for research purposes by qualified personnel. It is not intended for use in humans or as a diagnostic agent. List Biological Laboratories, Inc., is not liable for any damages resulting from the misuse or handling of this product.

**FOR RESEARCH PURPOSES ONLY. NOT FOR HUMAN USE.**

QA/QC: KPD Date: 01/29/2021

