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Product #112

CERTIFICATE OF ANALYSIS
CHOLERA TOXIN B SUBUNIT-BIOTIN CONJUGATE (BB)
Lot #11211A1

Contents:

When reconstituted with 400 µl of water, each vial contains 0.2 mg of protein in 0.01 M sodium phosphate, pH 7.5.

Concentration:

Determined by the extinction at 280 nm.

Preparation:

Biotinylated cholera toxin B subunit (BB) is prepared by conjugating the B subunit of cholera toxin (choleragenoid) to N-hydroxysuccinimi-dobiotin by a modification of the method of Bayer *et al.*[1]

Assay Results:

When compared to a standard solution of B subunit at the same protein concentration, B-Biotin exhibits comparable ganglioside binding activity in a hemagglutination assay. In immunodiffusion studies, B-Biotin shows comparable immunoprecipitation to unbiotinylated standard when reacted against a specific antiserum to B subunit.

Packaging/Storage:

This product is provided as a lyophilized powder which has been stoppered under vacuum. Store at 4°C prior to and following reconstitution.

Handling:

Good laboratory technique should be employed in the safe handling of this product. This requires observing the following practices:

1. **Wear appropriate laboratory attire including a lab coat, gloves and safety glasses.**

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2. **Do not mouth pipette, inhale, ingest or allow to come into contact with open wounds. Wash thoroughly any area of the body which comes into contact with the product.**

3. **Avoid accidental autoinoculation by exercising extreme care when handling in conjunction with any injection device.**

4. **This product is intended for research purposes by qualified personnel only. 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.

References:

1. Bayer, E.A., Skutelsky, E. and Wilchek, M. (1979) *Methods Enzymol.* **62**, 308-315.

Approved: KA Date: 5/26/06 Approved: DM Date: 5/30/06