CPB Toxoid

Datasheet, Version 2/2016

protean
Forefront of Biotechnology

Catalog #	1264
Synonyms	Clostridium perfringens toxin beta
Type	Recombinant
Source	E. coli
Species	Clostridium perfringens
Tag	GST
Form	Liquid
Purity	>95% by SDS PAGE
Shipping	Ice pack

Introduction

Genetically modified nontoxic form of Clostridium perfringens toxin beta-2. Produced as toxoid with identical antigenic response as wild-type toxin in E. coli as recombinant GST-fusion protein.

Description

Clostridium perfringens beta toxin is a necrotizing agent and it induces hypertension by release of catecholamine. It is produced by Clostridium perfringens Type B and Type C strains. Beta toxin is susceptible to proteolytic cleavage particularly by trypsin, and is therefore highly lethal to infant mammals due to trypsin inhibitors presence in the colostrum.

Application

ELISA, Western blot, vaccine development and testing

Purification method

Affinity chromatography

Formulation

PBS solution 1 mg/ml, contains 10 mM glutation.

Storage

-80C

Analyte specific reagent (ASR) manufactured under ISO 13485.
Country of origin: Czech Republic

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