CPE Toxoid

Datasheet, Version 2/2016

protean
Forefront of Biotechnology

Catalog #	1265
Synonyms	Clostridium perfringens toxin epsilon
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 epsilon. Produced as toxoid with identical antigenic response as wt toxin in E. coli as recombinant GST-fusion protein.

Description

Clostridium perfringens toxin epsilon is produced by Type B and Type D strains. It is produced as a 33 kD protoxin, which is cleaved by trypsin and chymotrypsin in the gastrointestinal tract or by the C. perfringens encoded protease, yielding an active toxin which is thousand times more active than the protoxin. The recombinant toxoid epsilon is produced with the H106P mutation, which abolishes the toxicity but not antigenic structures of the wild type toxin.

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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