



# Recombinant E.Coli O157:H7 Shiga Like Toxin-2 Subunit B [His] (DAGA-985)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

### Antigen Description

Shiga-like toxin (verotoxin) is a toxin produced by some strains of Escherichia coli. Shiga-like toxin is named for its similarity to the AB5-type Shiga toxin produced by the bacteria Shigella dysenteriae. There are two known types-SLT1 and SLT2. The Shiga-like toxin is linked with hemolytic-uremic syndrome. Shiga-like toxin requires highly specific receptors on the cells' surface in order to attach and enter the cell. Species such as cattle, swine, and deer which do not carry these receptors may harbor toxigenic bacteria without any ill effect, dropping them in their feces, from where they may be distributed to humans. Shiga Like Toxin-2 Subunit B has nontoxic action, it is the functional region which binds to the receptor. Upon binding to the host cell receptor, the Shiga Like Toxin-2 Subunit B forms a pentamer. The Shiga Like Toxin-2 Subunit B can be useful in vaccine study, antibody test and other functional research.

<b>Purity</b>	>95% by SDS-PAGE
<b>Conjugate</b>	His
<b>Format</b>	Liquid
<b>Concentration</b>	Batch dependent - please inquire should you have specific requirements
<b>Size</b>	100 µg
<b>Buffer</b>	PBS, 50mM arginine and 0.05% sodium azide.
<b>Preservative</b>	0.05% Sodium Azide
<b>Storage</b>	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time.

## BACKGROUND

**Keywords**

Shiga-like toxin;verotoxin;SLT1 and SLT2;Shiga Like Toxin-2

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