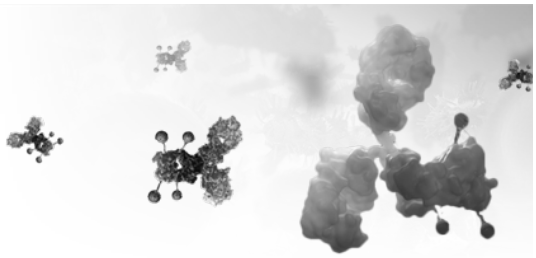

Mouse Anti-Vero Toxin/Shiga Toxin subunit A Monoclonal antibody, clone WF12 (CABT-CS105)

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

PRODUCT INFORMATION

Specificity	Reacts with subunit A of VT1, VT2 and Stx.
Target	Vero Toxin/Shiga Toxin subunit A
Immunogen	Culture supernatant of E. coli O111 (EHEC strain)
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	E. coli
Clone	WF12
Purification	Affinity-purified with Protein A
Conjugate	unconjugated
Applications	WB, ELISA, IC
Format	Liquid
Concentration	1 mg/mL
Size	100 µg
Buffer	PBS, 50% glycerol
Preservative	None

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221

Storage	Ship at 4°C and store at -20°C. Do not freeze.

BACKGROUND

Introduction	Vero toxin (VT) is produced by Enterohaemorrhagic strains of Escherichia coli (E. coli, VTEC, EHEC) and has lethal activity to Vero cells. EHEC strains produce either one or both of the VT1 and VT2. Both VT1 and VT2 consist of one subunit A and five copies of subunit B. The primary structure of VT1 is identical or nearly identical to Shiga toxin (Stx) produced by Shigella dysenteriae serotype 1 and also called Slt 1 (Shiga-like toxin 1). Subunit A causes inhibition of protein synthesis and subsequent cell death, whereas subunit B is presumed to bind specifically to the Vero cell-surface receptor and mediate uptake of the toxins. Some E. coli strains produce both Slt1 and Slt2, and they share sequence identity of 55 %, but they are immunologically distinct.
Keywords	Verotoxin; Stx A; Shiga Toxin; Stx; Vero toxin

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