

Product datasheet

Anti-Verotoxin 2 beta antibody [257] ab20623

Overview

Product name	Anti-Verotoxin 2 beta antibody [257]
Description	Mouse monoclonal [257] to Verotoxin 2 beta
Host species	Mouse
Specificity	Specific for Verotoxin II - B subunit (SLT-2b). Neutralising antibody.
Tested applications	Suitable for: ELISA
Immunogen	Purified toxoid.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	Preservative: 0.1% Sodium Azide Constituents: 10mM PBS, pH 7.2
Purity	Protein A purified
Purification notes	90% pure from ascites.
Clonality	Monoclonal
Clone number	257
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab20623** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
ELISA		1/20 - 1/200.

Target

Relevance

Verotoxins are produced by certain enterohaemorrhagic strains of *Escherichia coli*. Serotype O157:H7 has been the strain most commonly associated with large food borne outbreaks and has been implicated in a wide spectrum of diseases including blood diarrhoea, haemorrhagic colitis and haemolytic uraemic syndrome. The main sources of infection are contaminated foods of animal origin such as meat and dairy products. Verotoxins, also called Shiga like toxins (SLT) because of their similarity to toxins produced by *Shigella dysenteriae*, are classified into two main categories: verotoxin 1 (VT1, SLT1, Stx1) and 2 (VT2, SLT2, Stx2). Verotoxin production is the most common criteria for the detection of this group of bacteria rather than tests for the cytopathic effect on Vero cells that gave the toxins their name. Verotoxins contain a single A subunit and multiple copies of a B subunit. The A subunit is responsible for inhibiting protein synthesis through the catalytic inactivation of 60S ribosomal subunits.

Cellular localization

Secreted

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