

## Product datasheet

# Anti-Verotoxin 2 beta antibody [257] ab20623

### Overview

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

### Properties

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

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