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Datasheet for ABIN1385110
anti-E. coli O157:H7 antibody

1 Image

1 Publication

Overview

Quantity:	100 µL
Target:	E. coli O157:H7
Reactivity:	E. coli
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This E. coli O157:H7 antibody is un-conjugated
Application:	ELISA

Product Details

Immunogen:	Ecoli O157,H7 protein
Isotype:	IgG
Cross-Reactivity (Details):	E.coli O157:H7/EHEC
Predicted Reactivity:	Bacteria
Purification:	Purified by Protein A.

Target Details

Target:	E. coli O157:H7
Alternative Name:	E.Coli O157:H7 (E. coli O157:H7 Products)
Target Type:	Bacteria
Background:	Synonyms: Escherichia coli O157:H7, Enterohemorrhage E_Coli, EHEC

Target Details

Background: This antibody reacts with Escherichia coli O157 (E.coli O157), Escherichia coli is a gram negative bacillus that belongs to a larger group of Enterobacteriae - bacteria that inhabit the gastrointestinal tract. Although usually a harmless resident of the gut, some strains have the potential to cause serious problems, especially where there is an immature immune system or immunosuppression, or where the subtype of organism has acquired the ability to produce pathogenic toxins.

Application Details

Application Notes: ELISA: 1:500-1000

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: 0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

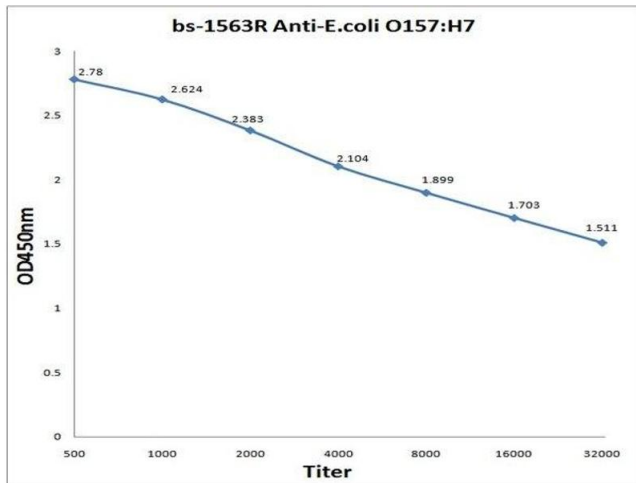
Storage: 4 °C,-20 °C

Storage Comment: Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Expiry Date: 12 months

Publications

Product cited in: Chen, Cai, Chen, Lin, Pang, Tang: "Indirect immunofluorescence detection of E. coli O157:H7 with fluorescent silica nanoparticles." in: **Biosensors & bioelectronics**, Vol. 66, pp. 95-102, (2014) ([PubMed](#)).



ELISA

Image 1. Antigen: 0.2ug/100ul Primary: Antiserum, 1:500, 1:1000, 1:2000, 1:4000, 1:8000, 1:16000, 1:32000, Secondary: HRP conjugated Goat Anti-Rabbit IgG -HRP) at 1: 5000, TMB staining, Read the data in MicroplateReader by 450nm.