E. coli O157 Antibody [clone 9.88] (V3307)

Catalog No.	Formulation	Size
V3307-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V3307-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V3307SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	E. coli O157
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgM, kappa
Clone Name	9.88
Purity	PEG precipitation followed by dialysis in 1X PBS
Localization	Whole organism
Applications	ELISA : 1-5ug/ml for coating (order BSA/sodium azide-free format) Immunofluorescence : 1-2ug/ml
Limitations	This E coli O157 antibody is available for research use only.

Description

This mAb shows specificity to E. coli O157 in a simple ELISA. Escherichia coli are Gram negative bacterium that are

commonly found in the lower intestine of warm-blooded organisms (endotherms). Their serological types are determined in combination with somatic antigens (O group: O1-O173) and flagella antigens (H type: H1-H56). The E. coli that cause intestinal infectious diseases including diarrhea, acute gastritis or colitis are referred to as pathogenic E. coli, which are classified into the following four groups according to differences in the mode of pathogenicity; enteropathogenic E. coli (EPEC), enteroinvasive E. coli (EIEC), enterotoxigenic E. coli (ETEC) and enterohemorrhagic E. coli (EHEC). Although the identification of pathogenic E. coli requires verification of their pathogenicity, pathogenic E. coli often have specific serotypes; therefore, typing of the serogroup and serotype is necessary in screening pathogenic E. coli.

Application Notes

Optimal dilution of the E. coli O157 antibody should be determined by the researcher.

Immunogen

A crude sonicate of E. coli O157 was used as the immunogen for the E. coli O157 antibody.

Storage

Store the E. coli O157 antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).