# 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 |
| **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)<br>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).


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