

Product datasheet

Anti-E. coli O125 antibody ab78784

Overview

<b>Product name</b>	Anti-E. coli O125 antibody
<b>Description</b>	Rabbit polyclonal to E. coli O125
<b>Host species</b>	Rabbit
<b>Specificity</b>	Specific to E.coli somatic O antigen
<b>Tested applications</b>	<b>Suitable for:</b> Agglutination
<b>Species reactivity</b>	<b>Reacts with:</b> Escherichia coli
<b>Immunogen</b>	Tissue/ cell preparation <i>Escherichia coli</i> O serotype 125 (heat inactivated).
<b>Positive control</b>	Antigenic suspension.
<b>General notes</b>	Reagents should be allowed to stand at 15°C to 25°C for at least 30 minutes prior to use.

Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at -20°C or -80°C. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	Preservative: 0.08% Sodium Azide Constituents: Whole serum
<b>Purity</b>	Whole antiserum
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab78784** 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
Agglutination		Use at an assay dependent concentration. See attached protocol.

## Target

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### Relevance

*Escherichia coli* is a group of gram-negative bacilli belonging to the family *Enterobacteriaceae* and is considered as one of the bacteria in the human intestinal normal microbial flora. Their serological types are determined in combination with somatic antigens (O group: O1-O173) and flagella antigen (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*. These 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* have often specific serotypes; therefore, typing of the serogroup and serotype is necessary to screening pathogenic *E. Coli*.

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