Certificate of Analysis and Data Sheet
Rabbit Antibody to Escherichia coli (E. coli) (O and K antigenic serotypes) Biotin conjugated

Catalog No.	Target Species	Isotype
MD-14-1094	E. coli	IgG

Preparation

Immunogen: Mixture of E. coli serotypes
Purification: Protein A chromatography. Covalently coupled with the N-Hydroxysuccinimide ester of biotin under mild conditions to give a high degree of substitution.

Formulation

Product Type: Polyclonal Antibody
Product Form: Biotin, Liquid
Buffer: 0.01M PBS, pH 7.2   Product contains no stabilizing proteins.
Preservative Stabilizers: 0.1% Sodium azide
Approx. Protein Concentration: 4-5mg/ml (OD280nm, $E^{0.1\%} = 1.4$)

Specificity

Many "O" and "K" antigenic serotypes of Escherichia coli. Even labile ones will react. Antiserum is unabsorbed and will react with related Enterobacteriaceae. Will remove E. coli proteins from recombinant preparations.

Storage

Short-term (up to 6 months) store at 2-8°C under subdued light. Long term, aliquot and store at –20°C. Avoid multiple freeze/thaw cycles.

References

Salminen, A., et al., (2007), "Inhibition of P-fimbriated Escherichia coli adhesion by multivalent galabiose derivatives studied by a live-bacteria application of surface plasmon resonance", Journal of Antimicrobial Chemotherapy, 60: 495-501

Applications

Table Summary of antibody applications and working conditions

Options / Functions	YES	NO	Not determined	Recommended Work dilution or concentration
ELISA	•			
Western Blotting			•	

Note: Other applications are not tested yet. Optimal dilutions should be determined by the user.
Avidin and streptavidin amplification systems for ELISA and fluorescence microscopy

The products are furnished for LABORATORY RESEARCH USE ONLY.
Not for diagnostic or therapeutic use.