

BP1021B**Polyclonal Antibody to Escherichia coli (O & K antigens) - Biotin**

Alternate names:	EHEC, EPEC, ETEC, Escherichia coli
Quantity:	1 ml
Concentration:	4-5 mg/ml (OD280 nm, E0.1% = 1.4)
Background:	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.
Host:	Rabbit
Immunogen:	Mixture of E. coli serotypes
Format:	State: Liquid purified IgG fraction. Purification: Protein A Chromatography. Buffer System: 0.01 M PBS, pH 7.2 containing 0.09% Sodium Azide as preservative and no stabilizers. Label: Biotin – Covalently coupled with the N-Hydroxysuccinimide ester of under mild conditions to give a high degree of substitution
Applications:	Avidin and streptavidin amplification systems for ELISA and Fluorescence Microscopy. Has been described for previous lots to work in Western blot. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	Many O and K antigenic serotypes of E. coli. Not absorbed and does cross-react with related Enterobacteriaceae. Will remove E.coli proteins from recombinant preparations.
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	1. Salminen A, Loimaranta V, Joosten JA, Khan AS, Hacker J, Pieters RJ, et al. Inhibition of P-fimbriated Escherichia coli adhesion by multivalent galabiose derivatives studied by a live-bacteria application of surface plasmon resonance. J Antimicrob Chemother. 2007 Sep;60(3):495-501. Epub 2007 Jul 10. PubMed PMID: 17623698.