



# Anti-E. coli type ag's Polyclonal antibody (DPAB0126)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Specificity</b>	Many "O" and "K" antigenic serotypes of Escherichia coli. Antiserum is not absorbed and does cross-react with related Enterobacteriaceae. Will remove E. coli proteins from recombinant preparations.
<b>Target</b>	E. coli type ag's
<b>Immunogen</b>	Mixture of E. coli serotypes
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	E. coli
<b>Purification</b>	Protein A chromatography. Covalently coupled with the N-Hydroxysuccinimide ester of biotin under mild conditions to give a high degree of substitution.
<b>Conjugate</b>	Biotin
<b>Applications</b>	Avidin and streptavidin amplification systems for ELISA and fluorescence microscopy. Each laboratory should determine an optimum working titer for use in its particular application. Other applications have not been tested but use in such assays should not necessarily be excluded.
<b>Concentration</b>	4-5mg/ml (OD280nm, E0.1% = 1.4)
<b>Size</b>	1 ml
<b>Buffer</b>	0.01M PBS, pH 7.2; Product contains no stabilizing proteins.
<b>Preservative</b>	0.1% Sodium Azide
<b>Storage</b>	Short-term (up to 6 months) store at 2–8°C. Long term, aliquot and store at -20°C. Avoid multiple freeze/thaw cycles.

# BACKGROUND

Introduction	Escherichia coli (E. coli) are Gram negative enteric bacteria that live in the human gut. Its presence in nature is an indication of human feacal pollution. E. coli also causes human disease such as urinary tract infections and neonatal meningitis. Infection with particular enterotoxigenic strains can lead to life threatening intestinal diseases.
Keywords	Capsular antigen; Escherichia coli K; Escherichia coli O; K antigen; O antigen; Somatic antigen; Bacteria; Proteobacteria; Gammaproteobacteria; Enterobacteriales; Enterobacteriaceae; Escherichia; E. coli; Escherichia coli; Bacillus coli communis