



Anti-E. coli Polyclonal antibody (DPAB0114)

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

PRODUCT INFORMATION

Specificity	Reactive to all E. coli species in Immunogen, plus O157-H7 tested by immunoblot. Reacts with more than 50 proteins by Western blot.
Target	E. coli
Immunogen	Heat interacted blend of 6 different strains of E. coli: TOP 10F, HB101, JM109, BL21, DH5 alpha and K12.
Source/Host	Goat
Species Reactivity	E. coli
Purification	Affinity chromatography
Conjugate	Unconjugated
Applications	Suitable for use in ELISA, Western blot and dot blot to detect the presence of E. coli antigens. 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.
Format	Affinity Purified, Liquid
Concentration	1mg/ml (OD280nm, E0.1% = 1.4)
Size	1 mg
Buffer	Citrate/HEPES buffer, pH 7.0 – 7.4
Preservative	None
Storage	Short term (up to 30 days) store at 2-8°C. Long term store at -20°C. Avoid multiple freeze/thaw cycles.

BACKGROUND

Introduction	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.
Keywords	Bacteria; Proteobacteria; Gammaproteobacteria; Enterobacteriales; Enterobacteriaceae; Escherichia; E. coli; Escherichia coli; Bacillus coli communis