



## Anti-E. coli Polyclonal antibody (DPAB0112)

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

### PRODUCT INFORMATION

<b>Specificity</b>	Reactive to all E. coli species in Immunogen, plus O157-H7 tested by immunoblot. Reacts with more than 50 proteins by Western blot.
<b>Target</b>	E. coli
<b>Immunogen</b>	Heat interacted blend of 6 different strains of E. coli: TOP 10F, HB101, JM109, BL21, DH5 alpha and K12.
<b>Source/Host</b>	Goat
<b>Species Reactivity</b>	E. coli
<b>Purification</b>	Not applicable.
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	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.
<b>Format</b>	Neat, Liquid
<b>Concentration</b>	Not determined.
<b>Size</b>	1 ml
<b>Buffer</b>	Not applicable.
<b>Preservative</b>	See individual product datasheet
<b>Storage</b>	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*