



## Anti-*C. trachomatis* EB antigen Polyclonal antibody (DPAB0170)

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

### PRODUCT INFORMATION

<b>Specificity</b>	Purified elementary bodies, disrupted. Cross-reacts with <i>Chlamydia psittacii</i> & <i>Chlamydia pneumonia</i> (TWAR). Negative against HEp-2 cells and egg yolk sac. All antigens of strain L2
<b>Target</b>	<i>C. trachomatis</i> EB antigen
<b>Immunogen</b>	L2 and other serovar groups
<b>Source/Host</b>	Goat
<b>Species Reactivity</b>	<i>C. trachomatis</i>
<b>Purification</b>	Covalently coupled with high purity Isomer I of fluorescein Isothiocyanate. Care is taken to ensure complete removal of any free fluorescein from the final product.
<b>Conjugate</b>	FITC
<b>Applications</b>	Suitable for use in direct IFA. Acetone fixation of the antigen source is recommended prior to staining. 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, pH7.2 containing 10 mg/ml BSA
<b>Preservative</b>	0.1% Sodium Azide
<b>Storage</b>	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.

# BACKGROUND

## Introduction

Chlamydia trachomatis is an intracellular organism. Chlamydia usually infects the cervix and fallopian tubes of women and the urethra of men. Chlamydial infections are believed to be one of the most common of all STDs. It is generally thought that in a population of 15 million, there are up to 300,000 cases of chlamydia each year. Thus, there are many undiagnosed cases of chlamydia in the community. It has been estimated that the true prevalence of chlamydia in the sexually active population may be in the order of 5% to 10%. Chlamydia is one of the leading causes of blindness in underdeveloped countries.

## Keywords

Chlamydia trachomatis EB; C.trachomatis; Chlamydia trachomatis; Chlamydiaceae; Chlamydia; Bacteria; Chlamydiae; Chlamydiales; Rickettsia trachomae; Rickettsia trachomatis; Chlamydozoon trachomatis