

# Chlamydia Trachomatis LPS Antibody

## Monoclonal Antibody

### Product Information

**Product No.:** 15175  
**Clone:** CL21-331.1  
**Isotype:** Mouse IgG2a  
**Storage:** -20° to -70°C

### Product Description

#### Specificity:

These antibodies recognize LPS of Chlamydia trachomatis serovars A, B, Ba, C, D, E, F, G, H, I, J, K, L1, L2, L3. LPS-specificity confirmed as follows: antibody reactivity is eliminated after treatment of EBs with sodium periodate (which destroys LPS but leaves protein unaltered) but is unaffected by proteinase K treatment of EBs (which destroys protein but leaves carbohydrate unaltered). End users should determine optimal concentrations for their applications.

#### Background:

Chlamydia trachomatis is a gram-negative bacterium that infects the columnar epithelium of the cervix, urethra, and rectum, as well as non-genital sites such as the lungs and eyes. The bacterium is the cause of the most frequently reported sexually transmitted disease in the United States, which is responsible for more than 1 million infections annually. Most persons with this infection are asymptomatic. Untreated infection can result in serious complications such as pelvic inflammatory disease, infertility, and ectopic pregnancy in women, and epididymitis and orchitis in men.

#### Known Reactivity Species:

Chlamydia trachomatis

#### Format:

Purified

#### Immunogen:

C. trachomatis elementary bodies, L2 serovar

#### Formulation

This monoclonal antibody is formulated in phosphate buffered saline (PBS) pH 7.2 - 7.4 with no carrier protein or preservatives added.

#### Storage and Stability

This antibody is stable for at least one (1) year at -20°C to -70°C.

**Store product in appropriate aliquots to avoid multiple freeze-thaw cycles.**

#### Product Preparation

Antibodies are purified by a multi-step process including the use of protein A or G to assure extremely low levels of endotoxins, leachable protein A or aggregates.

#### Applications

##### Applications and Recommended Usage (Quality Tested By Leinco):

These antibodies have been qualified for use in ELISA to detect Chlamydia trachomatis elementary bodies and reticulate bodies.

**Country of Origin**  
USA