

## ***Chlamydia trachomatis* MOMP Monoclonal Antibodies**

### **ORDERING INFORMATION**

Catalog No.	Clone No.	MAb Subtype	Size	Library Pack No.	100ug/clone
15103	CL12-666.33.3	IgG3**	100ug, 500ug	151111	All 11 clones
15108	CL12-671.11.23	IgG3**	100ug, 500ug		
15115	CL12-674.5	IgG3**	100ug, 500ug		
15125	CL12-689.2.8	IgG3**	100ug, 500ug		
15128	CL12-707.21	IgG2a*	100ug, 500ug		
15129	CL12-707.7	IgG2a*	100ug, 500ug		
15130	CL12-712.3	IgG2a*	100ug, 500ug		
15135	CL12-717.16	IgG2a*	100ug, 500ug		
15140	CL12-741.24.5.5	IgG2a*	100ug, 500ug		
15145	CL12-755.1.31.3	IgG3**	100ug, 500ug		
15156	CL13-227.1.2	IgG2a*	100ug, 500ug		

**Format:** \*Protein G-purified antibody in PBS, pH 7.4.

\*\*PEG-purified antibody in PBS, pH 7.4.

### **BACKGROUND**

*Chlamydia trachomatis* is a gram-negative bacterium that infects the columnar epithelium of the cervix, urethra, and rectum, as well as nongenital 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.

### **SPECIFICATION SUMMARY**

**Antigen:** *C. trachomatis* elementary bodies, L2 serovar.

**Host Species:** Mouse

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

### **APPLICATIONS**

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

### **DILUTION INSTRUCTIONS**

Dilute in PBS or medium that is identical to that used in the assay system.

### **STORAGE AND STABILITY**

These antibodies are stable for at least one (1) year at -20°C to -70°C. Store product in appropriate aliquots to avoid multiple freeze-thaw cycles.