

Active Native Chlamydia trachomatis LGV Type-2 EB Protein

Cat. No. CTLGV2EB-359C **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Native Chlamydia trachomatis LGV Type-2 EB (Elementary Bodies) Antigen Protein is purified from Mouse L Cells.
Species	Chlamydia trachomatis
Source	Mouse L Cells
Description	Chlamydia is the most common sexually transmitted infection in humans and it is caused by the bacterium Chlamydia trachomatis. It affects 5% to 10% of the world's population and it is particularly common in young adults under 25 years. It is a major public health concern due to its prevalence and potential long-term consequences.
Form	Phosphate Buffered Saline, pH 7.2
Bio-activity	Inactivated using gamma radiation. Effective primarily by damaging chlamydial genetic material. Effectiveness of inactivation is tested by inoculating an L cell monolayer with antigen. The culture is manipulated using the original optimal culture conditions used to manufacture the antigen. The culture is monitored for cytopathic effect for 5 days. If no signs of infection are observed the culture is passaged into a fresh monolayer. The second passage is monitored for a further 5 day period. If no cytopathic effect is observed in either passage the antigen is considered inactivated. Result: No growth detected.
Purity	Mouse L cells are infected with C. trachomatis elementary bodies. Optimally infected cells are harvested and disrupted by sonication in PBS. Cellular debris is removed

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using centrifugation.

Applications

Should be sonicated immediately prior to use to ensure that the preparation is uniform. Used for both IgG and IgM detection in assays which include EIA with polystyrene and latex solid phases and M capture formats. 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.

Storage

Store at -70 centigrade to -100 centigrade. Avoid multiple freeze/thaw cycles.

Concentration

4.8 mg/mL (Bio-Rad Dye Binding Microassay) (minimum concentration 1 mg/mL).
Titer is controlled lot-to-lot by ELISA IgG reactivity.

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