

Recombinant Chlamydia trachomatis MOMP protein ab67707

描述

产品名称	重组Chlamydia trachomatis MOMP蛋白
生物活性	This protein is immunoreactive with sera of Chlamydia Trachomatis infected individuals.
纯度	> 95 % SDS-PAGE. This protein is >95% pure as determined by 10% PAGE (coomassie staining) and RP-HPLC. It was purified by proprietary chromatographic techniques.
表达系统	Escherichia coli
蛋白长度	Protein fragment
无动物成分	No
性质	Recombinant
氨基酸	252 to 354
标签	His tag C-Terminus

技术指标

Our **Abpromise guarantee** covers the use of **ab67707** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

应用	SDS-PAGE ELISA
形式	Liquid

制备和贮存

稳定性和存储	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles. pH: 6.00 Constituents: 48% Urea, 1.64% Sodium phosphate, 0.158% Tris HCl This product is an active protein and may elicit a biological response in vivo, handle with caution.
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常规信息

相关性	Chlamydia is caused by the bacterium Chlamydia trachomatis. The intracytoplasmic inclusions caused by the bacterium are draped around the infected cell's nucleus. Chlamydia trachomatis is
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an intracellular organism that has a genome size of approximately 500-1000 kilobases and contains both RNA and DNA. The organism is also extremely temperature sensitive and must be refrigerated at 4°C as soon as a sample is obtained. Colonization of Chlamydia begins with attachment to sialic acid receptors on the eye, throat or genitalia. It persists at body sites that are inaccessible to phagocytes, T cells, and B cells. It also exists as 15 different serotypes. These serotypes cause four major diseases in humans: endemic trachoma (caused by serotypes A and C), sexually transmitted disease and inclusion conjunctivitis (caused by serotypes D and K), and lymphogranuloma venereum (caused by serotypes L1, L2, and L3). Studies reveal that Chlamydia, because of its cell wall, is able to inhibit phagolysosome fusion in phagocytes. The cell wall is proposed to be Gram negative in that it contains an outer lipopolysaccharide membrane, but it lacks peptidoglycan in its cell wall. This lack of peptidoglycan is shown by the inability to detect muramic acid and antibodies directed against it. It may, however, contain a carboxylated sugar other than muramic acid. The proposed structure consists of a major outer membrane protein cross linked with disulfide bonds. It also contains cysteine rich proteins (CRP) that may be the functional equivalent to peptidoglycan. This unique structure allows for intracellular division and extracellular survival (Hatch 1996). 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.

细胞定位

Outer membrane; multi pass membrane protein.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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