

Product datasheet

Anti-Chlamydia trachomatis MOMP antibody (Biotin) ab20496

1 References

製品の概要

製品名	Anti-Chlamydia trachomatis MOMP antibody (Biotin)
製品の詳細	Goat polyclonal to Chlamydia trachomatis MOMP (Biotin)
由来種	Goat
標識	Biotin
アプリケーション	適用あり: ICC/IF
種交差性	交差種: Chlamydia trachomatis 非交差種: Chlamydia pneumoniae, Chlamydia psittaci
免疫原	Purified MOMP from strain L2.
特記事項	Coupled with the N-Hydroxysuccinimide ester of Biotin under mild conditions to give a high degree of substitution.

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at -20°C or -80°C. Avoid freeze / thaw cycle.
バッファー	pH: 7.20 Preservative: 0.1% Sodium azide Constituent: 0.0268% PBS
精製度	IgG fraction
ポリモノ	ポリクローナル
アイソタイプ	IgG

アプリケーション

Our [Abpromise guarantee](#) covers the use of **ab20496** in the following tested applications.

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

ICC/IF

追加情報

IF: Indirect immunofluorescence. 1/1000.

Avidin and streptavidin amplification systems for fluorescence microscopy.

Not tested in other applications.

Optimal dilutions/concentrations should be determined by the end user.

ターゲット情報**関連性**

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 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.

細胞内局在

Outer membrane; multi pass membrane protein.

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