

Product datasheet

Anti-Chlamydia trachomatis MOMP antibody (HRP) ab20798

製品の概要

製品名	Anti-Chlamydia trachomatis MOMP antibody (HRP)
製品の詳細	Goat polyclonal to Chlamydia trachomatis MOMP (HRP)
由来種	Goat
標識	HRP
アプリケーション	適用あり: WB, ELISA
種交差性	Reacts with Chlamydia Trachomatis. Does not react with C. psittacii or C. pneumoniae in MIF.
免疫原	Purified MOMP from strain L2.
特記事項	The antibody is covalently coupled to highly purified preparation of horseradish peroxidase (RZ>3). Care is taken to ensure adequate conjugation while preserving maximum enzyme activity. Free enzyme is absent. Estimated molar HRP:IgG substitution is 2-3.

法規制情報

医薬用外毒物

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at +4°C.
バッファー	Preservative: 0.002% Thimerosal (merthiolate) Constituents: PBS, 10mg/ml BSA
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 **ab20798** in the following tested applications.

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

WB

ELISA

追加情報

ELISA: 1/200 - 1/1000.

WB: 1/20 - 1/200. Dilution optimised using Chromogenic detection.

Not yet 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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