SANTA CRUZ BIOTECHNOLOGY, INC.

C. abortus MOMP (4/11): sc-101594

SANTA CRUZ BIOTECHNOLOGY

The Power to Question

BACKGROUND

Chlamydophila abortus, also known as *Chlamydia psittaci,* is a Gram-negative intracellular bacterium that colonizes in the placenta of animals causing abortion in the last term of gestation. An enzootic and zoonotic pathogen, *C. abortus* contains 961 genes arranged in a circularized structure, in which 842 genes are conserved with *Chlamydophila caviae* and *Chlamydophila* pneumoniae. *C. abortus* is a derivative of the group *Chlamydiales,* which is divided into four families, *Chlamydiaceae,* Simkaniaceae, Parachlamydiaceae and Waddliaceae. Host tropism and disease causation of *C. abortus* is due its composition of transmembrane helical proteins (TMH) and polymorphic membrane proteins (Pmp). *C. abortus* consists of a heat-resistant lipopolysaccharide (LPS), which is common to all *Chlamydiaceae* species.

REFERENCES

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SOURCE

C. abortus MOMP (4/11) is a mouse monoclonal antibody raised against the S26/3 ovine isolate of *C. abortus* origin.

PRODUCT

Each vial contains 200 µg IgG_{2b} kappa light chain in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

C. abortus MOMP (4/11) is available conjugated to agarose (sc-101594 AC), 500 µg/0.25 ml agarose in 1 ml, for IP; to HRP (sc-101594 HRP), 200 µg/ml, for WB, IHC(P) and ELISA; to either phycoerythrin (sc-101594 PE), fluorescein (sc-101594 FITC), Alexa Fluor® 488 (sc-101594 AF488), Alexa Fluor® 546 (sc-101594 AF546), Alexa Fluor® 594 (sc-101594 AF594) or Alexa Fluor® 647 (sc-101594 AF647), 200 µg/ml, for WB (RGB), IF, IHC(P) and FCM; and to either Alexa Fluor® 680 (sc-101594 AF680) or Alexa Fluor® 790 (sc-101594 AF790), 200 µg/ml, for Near-Infrared (NIR) WB, IF and FCM.

APPLICATIONS

C. abortus MOMP (4/11) is recommended for detection of native and denatured MOMP of *C. abortus* by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

RECOMMENDED SUPPORT REAGENTS

To ensure optimal results, the following support reagents are recommended: 1) Western Blotting: use m-IgGκ BP-HRP: sc-516102 or m-IgGκ BP-HRP (Cruz Marker): sc-516102-CM (dilution range: 1:1000-1:10000), Cruz Marker™ Molecular Weight Standards: sc-2035, UltraCruz® Blocking Reagent: sc-516214 and Western Blotting Luminol Reagent: sc-2048. 2) Immunofluorescence: use m-IgGκ BP-FITC: sc-516140 or m-IgGκ BP-PE: sc-516141 (dilution range: 1:50-1:200) with UltraCruz® Mounting Medium: sc-24941 or UltraCruz® Hard-set Mounting Medium: sc-359850.

SELECT PRODUCT CITATIONS

1. Bautista, C.J., Montaño, S., Ramirez, V., Morales, A., Nathanielsz, P.W., Bobadilla, N.A. and Zambrano, E. 2016. Changes in milk composition in obese rats consuming a high-fat diet. Br. J. Nutr. 115: 538-546.

STORAGE

Store at 4° C, **DO NOT FREEZE**. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

RESEARCH USE

For research use only, not for use in diagnostic procedures.

PROTOCOLS

See our web site at www.scbt.com for detailed protocols and support products.