

Product datasheet

anti-Chlamydia mouse monoclonal, ACI, lyophilized, purified, 500 µg

Short overview

Cat. No.	ACI-P500
Quantity	500 µg
Concentration	500 µg/ml after reconstitution with 1 ml dist. water

Product description

Host	Mouse
Antibody Type	Monoclonal
Isotype	IgG3
Clone	ACI
Immunogen	Chlamydia antigen
Formulation	Lyophilized; reconstitute in 1 ml dist. water (final solution contains 0.09% sodium azide, 0.5% BSA in PBS buffer, pH 7.4)
Conjugate	Unconjugated
Purification	Affinity chromatography
Storage before reconstitution	2-8°C until indicated expiry date
Storage after reconstitution	2-8°C
Intended use	Research use only
Application	ELISA, ICC/IF, IHC
Reactivity	Chlamydia genus

Applications

ELISA	Assay dependent
Immunocytochemistry (ICC)	1:100
Immunohistochemistry (IHC) - paraffin	Assay dependent

Background

Mab ACI recognizes a genus-specific epitope of the Chlamydia lipopolysaccharide antigen and identifies all serovars (A-C, D-K, L1-L3) of *C. trachomatis* as well as *Chamydophila psittaci* and *Chamydophila pneumoniae* with a strong fluorescence of the intracellular inclusions, the pinhead-sized extracellular elementary bodies and the free cell-associated Chlamydia lipopolysaccharide antigens (amorphous foci). A positive cross-reactivity was also reported for *Chamydophila pecorum*.

Product images



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References

Publication	Species	Application
Thierry, S. et al. Oral Uptake of Chlamydia psittaci by Ducklings Results in Systemic Dissemination. PLoS One 11, e015486 (2016).	C. psittaci	IHC (paraffin)
Borel, N. et al. Tissue microarray and immunohistochemistry as tools for evaluation of antibodies against Chlamydia-like bacteria. J. Med. Microbiology 58, 863-866 (2009).	C. pneumoniae	IHC (paraffin)
Marti, H., Koschwanez, M., Pesch, T., Blenn, C. & Borel, N. Water-Filtered Infrared A Irradiation in Combination with Visible Light Inhibits Acute Chlamydial Infection. PLoS One 9, (2014).	C. trachomatis,C. pecorum	ICC-IF
Soldati, G. et al. Detection of Mycobacteria and Chlamydiae in Granulomatous Inflammation of Reptiles: A Retrospective Study. Vet Pathol 41, 388-397 (2004).	C. spec	IHC (paraffin)
Vidal, S. et al. Neglected zoonotic agents in cattle abortion: tackling the difficult to grow bacteria. BMC.Vet.Res. 13, 373 (2017).	C. abortus	IHC (paraffin)