

Product datasheet

anti-Chlamydia mouse monoclonal, ACI, lyophilized, purified, 50 µg

Short overview

Cat. No.	ACI-P
Quantity	50 µg
Concentration	50 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)	1:10
Immunohistochemistry (IHC) - paraffin	Assay dependent

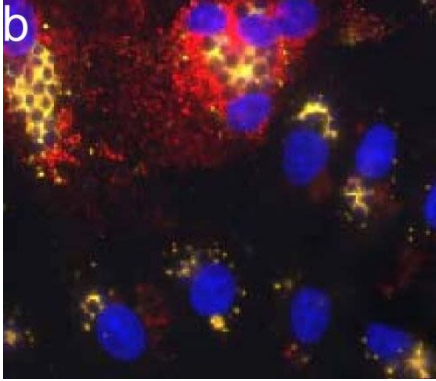
Background

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 *Chlamydophila psittaci* and *Chlamydophila 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 *Chlamydophila pecorum*.

Product images

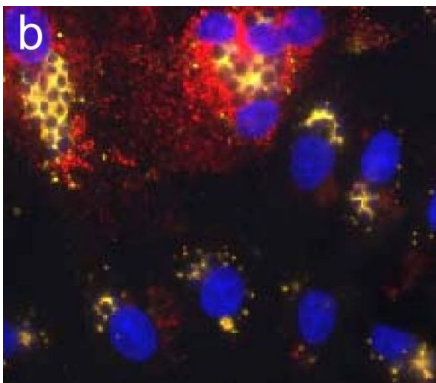


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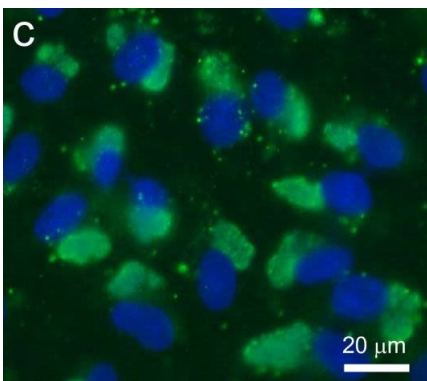
[Borel, N., Dumrese, C., et al. Mixed infections with Chlamydia and porcine epidemic diarrhea virus - a new in vitro model of chlamydial persistence. BMC Microbiol. 2010-07-27.](#) Species/Reactant: Chlorocebus sabaeus (Green monkey) Applications:

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References

Publication	Species	Application
Aumayer, H. et al. Chlamydia suis is associated with intestinal NF-κB activation in experimentally infected gnotobiotic piglets. Pathog Dis. 78, ftaa040(2020).	C. spec	IHC (paraffin)
Liebler-Tenorio, E. et al. Regeneration of Pulmonary Tissue in a Calf Model of Fibrinonecrotic Bronchopneumonia Induced by Experimental Infection with Chlamydia Psittaci. Int.J.Mol.Sci. 21, (2020)	C. psittaci	IHC (paraffin)
Borel, N. et al. Chlamydiae in human intestinal biopsy samples. Pathog.Dis. 76,- (2018).	C. trachomatis	IHC (paraffin)
Marti, H. et al. Evaluating the Antibiotic Susceptibility of Chlamydia - New Approaches for in Vitro Assays. Front.Microbiol. 9, 1414 (2018).	C. suis	ICC-IF
Staub, E. et al. Novel Chlamydia species isolated from snakes are temperature-sensitive and exhibit decreased susceptibility to azithromycin. Sci.Rep. 8, 5660 (2018).	C. pneumoniae	ICC-IF