

Key Antibodies For

## Infectious Diseases



# INFECTIOUS DISEASES



Millions of patients visit physician offices for infectious and parasitic diseases each year. Approximately two-thirds of the world's population is infected with *H. pylori*. In the United States for 2012, there were 10,000 new cases of tuberculosis and 31,000 new cases of Lyme disease. New cases of sexually transmitted diseases for the United States in 2012 include 14 million cases of HPV and 50,000 cases of syphilis. It is estimated that one out of every six people aged 14 to 49 have genital herpes in the United States. About 50-80% of United States women have been infected with CMV by the age of 40 years. Biocare Medical is proud to offer key infectious antibodies that may aid in the identification of their respective proteins by IHC in FFPE tissues.

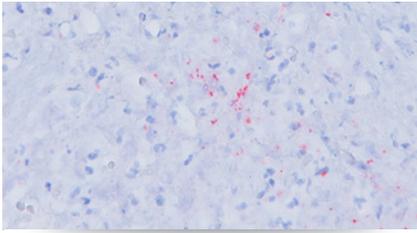
<http://www.cdc.gov/>

### Key Antibodies for Infectious Diseases

Product Name	Source	Clone	Catalog Number
Cat Scratch Fever ( <i>Bartonella henselae</i> )		H2A10	ACI 144; API 144
Cytomegalovirus (CMV)		DT10 + BC90	ACI 118; API 118
<i>Helicobacter pylori</i>		BC7	CM 383; PM 383
<i>Treponema pallidum</i> (Spirochete)		Polyclonal	ACI 135; API 135

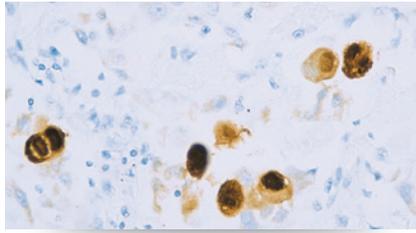
[www.biocare.net/infectious-diseases](http://www.biocare.net/infectious-diseases)

# Key Antibodies for Infectious Diseases



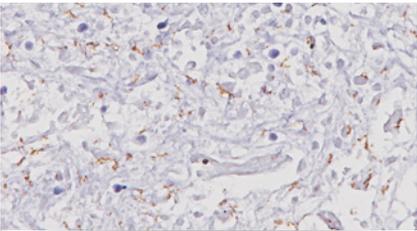
## Cat Scratch Fever (*Bartonella henselae*)

The causative bacterial agent of cat scratch disease has been identified as *Bartonella henselae*. Originally, complicated silver stains and/or PCR were used to identify and confirm this agent. This monoclonal Cat Scratch antibody aids to identify *Bartonella henselae* (and not other *Bartonella* strains) in FFPE tissues.



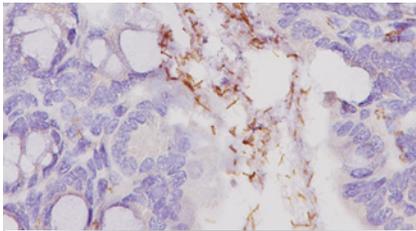
## Cytomegalovirus (CMV)

Cytomegalovirus (CMV) can exacerbate gastrointestinal mucosal injury and affect fetuses. IHC performed on infected tissue directed against the CMV immediate early antigen is the gold standard for diagnosis. This antibody cocktail reacts with immediate early and early protein antigens in infected tissues.



## *Treponema pallidum* (Spirochete)

Spirochete (*Treponema pallidum*) is the causative agent of syphilis. Spirochete can now be successfully localized with a *treponema pallidum* antibody using IHC in FFPE tissue. This rabbit purified IgG fraction is highly specific. *Treponema pallidum* also cross-reacts with *burgdorferi* (Lyme disease).



## *Helicobacter pylori*

*Helicobacter pylori* are spiral-curved, gram-negative bacteria that is present on surface epithelium of the mucous layer of the stomach. IHC with a specific antibody can distinguish *H. pylori* from other types of curved bacteria. These bacteria may play a significant role in peptic ulcer disease.

Bio - Optica

Improving Pathology

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