

## Product datasheet for **BM5553S**

### Chlamydia (genus specific) Mouse Monoclonal Antibody [Clone ID: ACI]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	ACI
Applications:	IF, IHC
Recommended Dilution:	<b>Immunofluorescence Microscopy:</b> Ready-to-use. <b>Immunohistochemistry on Formalin Fixed Paraffin Embedded Sections:</b> Detects Chlamydia species in clinical specimens after fixation with Methanol or Methanol/Acetone: 1/1.
Reactivity:	Chlamydia trachomatis, Chlamydia psittaci, Chlamydia pneumoniae
Host:	Mouse
Isotype:	IgG3
Clonality:	Monoclonal
Immunogen:	Chlamydia antigen.
Specificity:	This antibody recognizes a genus-specific epitope of the Chlamydia lipopolysaccharide antigen and identifies 15 serotypes of <i>C. trachomatis</i> as well as <i>C. psittaci</i> and <i>C. pneumoniae</i> with a strong fluorescence of the intracellular inclusions, the pinhead-sized extracellular elementary bodies and the free cell-associated Chlamydia lipopolysaccharide antigens (amorphous foci).
Formulation:	State: Supernatant State: Liquid Culture Supernatant Preservative: 0.09% Sodium Azide
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C.
Stability:	Shelf life: one year from despatch.



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**Background:**

*Chlamydia trachomatis* is an intracellular organism. 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.