

Product datasheet for **AM32084SU-N**

Chlamydia trachomatis (LPS) Mouse Monoclonal Antibody [Clone ID: 3]

Product data:

Product Type:	Primary Antibodies
Clone Name:	3
Applications:	IHC
Recommended Dilution:	Immunohistochemistry on Paraffin Sections: This Monoclonal antibody <i>Clone 3</i> Stains Chlamydia inclusions both in formalin-fixed tissue biopts embedded in paraffin, and in Hela-229 cells fixed in absolute methanol. <i>Recommended Dilutions:</i> Use 1/20 in PBS for staining Fixed Cells or tissue sections.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG3
Clonality:	Monoclonal
Specificity:	The antibody is directed to an immune dominant epitope (location unknown) of the <i>Chlamydia LPS</i> . This <i>LPS</i> is a genus specific antigen. As ascertained by the Dutch State Institute of National Health using a DOT-EIA the antibody reacts strongly with following prototype strains: - <i>C. trachomatis</i> : A B Ba C D E F G H I J K L L1 L2 L3 and Mouse pneumonitis - <i>C. psittaci</i> : an ornithosis strain and a cat conjunctivitis strain - <i>C. pneumoniae</i> : TW183 Not to be used on Guinea-Pig tissues.
Formulation:	State: Supernatant Preservative: 0.09% Sodium Azide
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
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.

Note: **Specificity testing by the National Institute revealed the following titers:**
Serotype Strong Immunofluorescence by titer Mc
 1:100 1:400 1:1600 1:6400 1:25600
 B ++ ++ nv nv nv
 Ba ++ ++ nv nv nv
 C ++ ++ nv nv nv
 E +++ +++ +++ +++ ++
 F ++ ++ + + +
 G ++ ++ ++ ++ +
 H +++ +++ ++ ++ +
 I +++ +++ ++ ++ +
 J +++ +++ +++ ++ ++
 L2 +++ +++ ++ ++ +
 L3 +++ +++ nv nv nv