

Product Specification Sheet

Human Chlamydia (CHLM) antibodies

<input type="checkbox"/> Cat. # CHLT11-A	Mouse Monoclonal Anti-Human CHLM, clone 1	SIZE: 1 mg
<input type="checkbox"/> Cat. # CHLM11-C	Human CHLM control protein for Western	SIZE: 100 ul

Chlamydia infections are the most common bacterial sexually transmitted infections in humans and are the leading cause of infectious blindness worldwide. Chlamydia is caused by the bacterium chlamydia trachomatis. This bacteria can infect the cervix in women and the urethra and rectum in both men and women. Occasionally chlamydia can also affect other parts of the body, including the throat and eyes.

Chlamydia often has no symptoms, especially among women. If left untreated, chlamydia can cause serious problems later in life.

Source of Antigen and Antibodies

Antigen	Chlamydia Trachomatic LGV2 elementary bodies.
Ab Host/type	Mouse, monoclonal IgG (#CHLM11-M) supplied purified IgG
2-ab	Goat Anti-mouse IgG-HRP conjugate Cat # 40120 (AP, biotin, FITC conjugates also available)
-ve control IgG	Cat # 20008-1, Mouse (non-immune) Serum IgG, purified, suitable for ELISA, Western, IHC as -ve control

Purified Ascites, >90%pure. For Western blot +ve control (Cat # CHLM11-C) is supplied in SDS-PAGE sample buffer (reduced). Load 10 ul/lane of CHLM11-C for good visibility with antibody Cat # CHLM11-M. Store at -20°C in suitable size aliquots. SDS may crystallize in cold conditions. It should re dissolved by warming before taking it from the stock. It should be heated once prior to loading on gels. If the product has been stored for several weeks, then it may be preferable to add 5 ul of fresh 2x sample buffer per 10 ul of the CHLM11-C solution prior to heating and loading on gels. This preparation is not biologically active. It is not suitable for ELISA or other applications where

native protein is required. Do not freeze, thaw, or heat repeatedly.

All human derived material has been tested negative for HIV, HCV, and HbsAg. Nevertheless, all precautions should be taken and samples be treated as potentially hazardous.

Form & Storage of Antibodies/Peptide Control

Affinity pure IgG

100 ug/100ul solution lyophilized powder
Supplied in **Buffer:** PBS+0.1% NaN3
Reconstitute powder in PBS at 1mg/ml

Storage

Short-term: unopened, undiluted liquid vials at -20°C and powder at 4°C or -20°C..

Long-term: at -20°C or below in suitable aliquots after reconstitution. Do not freeze and thaw and store working, diluted solutions.

Stability: 6-12 months at -20°C or below.

Shipping: 4°C for solutions and room temp for powder

Recommended Usage

Western Blotting (1:500-:1:2K) using ECL technique.

ELISA: Control peptide/protein can be used to coat ELISA plates at 1 ug/ml and detected with antibodies (1:10-50K for neat serum and 0.5-1 ug/ml for affinity pure).

Histochemistry & Immunofluorescence: Not tested. We recommend the use of affinity purified antibody at 2-20 ug/ml in paraformaldehyde fixed sections of tissues.

Specificity & Cross-reactivity

The antibodies are specific for human CHLM with no reactivity to other serum proteins. Antibody cross-reactivity in various species has not been studied. The CHLM11-C control protein can be used for western or ELISA.

References:

Thylefors B, (1995). Bull World Health Organ 73 (1): 115-21.

*This product is for In vitro research use only.

Related material available from ADI

ELISA kits for human CHLM.

CHLM11-12-C

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