

**Amyloid A Component Ab-1 (Clone mc1)**

Mouse Monoclonal Antibody

Cat. #MS-1219-S0, -S1, or -S (0.1ml, 0.5ml, or 1.0ml Supernatant)

Cat. #MS-1219-R7 (7.0ml) (Ready-to-Use for Immunohistochemistry)

Please note this data sheet has been changed effective December 9, 2011

**Comments:** Ab-1 reacts with isolated protein AA in both native fibril form and denatured form. It reacts with amyloid deposits in all organs and tissues including kidney and rectum, and as well as the serum precursor of protein AA.

**Species Reactivity:** Human. Others-not known.

**Clone Designation:** mcl

**Ig Isotype / Light Chain:** IgG<sub>2a</sub> / κ

**Immunogen:** Human amyloid A

**Applications and Suggested Dilutions:**

- Immunohistology (Formalin/paraffin)  
Use Ab at 1:200-400 for 20 minutes at RT using the LP Detection System, for 30 minutes at RT using the UltraVision or UltraVision ONE Detection Systems
- \* [Staining of formalin-fixed tissues REQUIRES boiling tissue sections in 10mM citrate buffer, pH 6.0, (Lab Vision Cat. #AP-9003), for 10-20 min followed by cooling at RT for 20 min.]

The optimal dilution for a specific application should be determined by the investigator.

**Positive Control:** Amyloid deposits in kidney.

**Cellular Localization:** Extracellular

**Supplied As:**

Tissue culture supernatant with 0.09% sodium azide,  
or

Prediluted antibody which is ready-to-use for staining of formalin-fixed, paraffin-embedded tissues.

**Storage and Stability:**

Store vial at 4°C. When stored at 2-8°C, this antibody is stable for 24 months.

**Key References:**

1. Linke RP. Identification of amyloid protein AA with a monoclonal antibody. *Blut* 1982;45:407-9.
2. Linke RP. Monoclonal antibodies against fibril protein AA. Production, specificity, and use for immunohistochemical localization and classification of AA-type amyloidosis. *J Histochem Cytochem* 1984;32:322-8.
3. Linke RP. Identification of AA-type amyloid in tissue sections using monoclonal antibodies. In: Peeters H, ed. *Protides Biol Fluids*. Oxford; Pergamon Press 1983;31:835-8.

**Limitations and Warranty:**

Our products are intended FOR RESEARCH USE ONLY and are not approved for clinical diagnosis, drug use or therapeutic procedures. No products are to be construed as a recommendation for use in violation of any patents. We make no representations, warranties or assurances as to the accuracy or completeness of information provided on our data sheets and website. Our warranty is limited to the actual price paid for the product. Lab Vision is not liable for any property damage, personal injury, time or effort or economic loss caused by our products.

**Material Safety Data:**

This product is not licensed or approved for administration to humans or to animals other than the experimental animals. Standard Laboratory Practices should be followed when handling this material. The chemical, physical, and toxicological properties of this material have not been thoroughly investigated. Appropriate measures should be taken to avoid skin and eye contact, inhalation, and ingestion. The material contains 0.09% sodium azide as a preservative. Although the quantity of azide is very small, appropriate care should be taken when handling this material as indicated above. The National Institute of Occupational Safety and Health has issued a bulletin citing the potential explosion hazard due to the reaction of sodium azide with copper, lead, brass, or solder in the plumbing systems. Sodium azide forms hydrazoic acid in acidic conditions and should be discarded in a large volume of running water to avoid deposits forming in metal drainage pipes.

**For Research Use Only**