

**Mouse Anti-Amyloid A Component [mcl]: MC0978, MC0978RTU7**

**Intended Use:** For Research Use Only

**Description:** This gene encodes a member of the serum amyloid A family of apolipoproteins. The encoded protein is a major acute phase protein that is highly expressed in response to inflammation and tissue injury. This protein also plays an important role in HDL metabolism and cholesterol homeostasis. High levels of this protein are associated with chronic inflammatory diseases including atherosclerosis, rheumatoid arthritis, Alzheimer's disease and Crohn's disease. This protein may also be a potential biomarker for certain tumors. Alternate splicing results in multiple transcript variants that encode the same protein. A pseudogene of this gene is found on chromosome 11. This antibody reacts with natural and recombinant human Serum Amyloid A (SAA) and does not cross-react with other human cytokines or growth factors tested such as IL-1beta, IL-8, MCAF, TGF-beta and EGF.

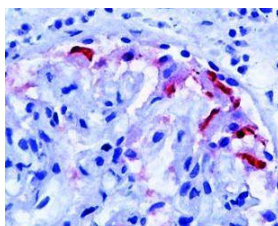
**Specifications:**

Clone: mcl  
 Source: Mouse  
 Isotype: IgG2a/k  
 Reactivity: Human  
 Localization: Cytoplasm  
 Formulation: Antibody in PBS pH7.2, containing < 0.2% BSA and < 0.09% sodium azide (NaN3).  
 Storage: Store at 2°- 8°C.  
 Applications: IHC  
 Package:

Description	Catalog No.	Size
Amyloid A Component Concentrated	MC0978	1 ml
Amyloid A Component Prediluted	MC0978RTU7	7 ml

**IHC Procedure\*:**

Positive Control Tissue: Kidney, liver  
 Concentrated Dilution: 50-200  
 Pretreatment: Citrate pH6.0 or EDTA pH8.0, 15 minutes using Pressure Cooker, or 30-60 minutes using water bath at 95°-99°C  
 Incubation Time and Temp: 30-60 minutes @ RT  
 Detection: Refer to the detection system manual  
 \* Result should be confirmed by an established diagnostic procedure.



FFPE human kidney stained with anti-Amyloid A Component using AEC

**References:**

1. Localization and trafficking of endogenous anterior pharynx-defective 1, a component of Alzheimer's disease related gamma-secretase. Sanjo N, et al. Neurosci Lett. Oct 8;483(1):53-6, 2010.
2. Widespread expression of serum amyloid A in histologically normal human tissues. Predominant localization to the epithelium. Urieli-Shoval S, et al. J Histochem Cytochem 46:1377-84 1998.

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Rev. A