Calprotectin-Monocyte / Macrophage / L1 Protein Ab-1 (Clone MAC 387)
Mouse Monoclonal Antibody
Cat. #MS-148-P0, -P1, or -P (0.1ml, 0.5ml, or 1.0ml at 200µg/ml) (Purified Ab with BSA and Azide)
Cat. #MS-148-P1ABX or -PABX (0.1ml or 0.2ml at 1.0mg/ml) (Purified Ab without BSA and Azide)
Cat. #MS-148-R7 (7.0ml) (Ready-to-Use for Immunohistochemistry)

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Comments: Ab-1 has been shown as an excellent monocyte marker in tissue sections. It reacts with neutrophils, monocytes, macrophages, and squamous mucosal epithelia.

Epitope: Not determined

Species Reactivity: Human, Baboon, Monkey, Pig, Cat, Dog, Guinea pig, Rat, and Mouse. Others-not known.

Clone Designation: MAC 387

Ig Isotype: IgG1

Immunogen: Affinity purified monocyte membrane preparation

Applications and Suggested Dilutions:
- Immunohistology (Formalin/paraffin)
  (Ab 1:1000 for 20 min at RT)
- [For staining of formalin-fixed tissues, digest sections with trypsin at 1mg/ml PBS, 10 min at 37°C (Cat. #AP-9008), and use of a high-sensitivity detection system such as UltraVision LP Detection System (Cat# TL-015)]

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

- Staining tips: If the staining is too light, use lower dilution or longer time.
  If the staining is too strong, use higher dilution or shorter time.

Positive Control: Tonsil, lymph node, or spleen

Cellular Localization: Cytoplasmic

Supplied As:
200µg/ml antibody purified from the ascites fluid by Protein G chromatography. Prepared in 10mM PBS, pH 7.4, with 0.2% BSA and 0.09% sodium azide. Also available without BSA and azide at 1mg/ml.

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

Storage and Stability:
Ab with sodium azide is stable for 24 months when stored at 2-8°C. Antibody WITHOUT sodium azide is stable for 36 months when stored at below 0°C.

Key References:

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.
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Additional Key References:
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