



Category:
Monoclonal Antibodies

Cat. #
V1146

Product Name:
Macrophage/L1 Protein/Calprotectin

Description:

Monoclonal Mouse Anti-Human Macrophage/L1 Protein/Calprotectin (Myeloid/Histiocyte Antigen)

Immunogen:

Affinity purified monocyte membrane preparation.

Cellular Localization:

cytoplasmic

Application:

Immunohistochemistry 1:50-1:100.

Species Reactivity:

Human, Monkey, Baboon, Swine, Dog, Cat, Rabbit, Rat, Mouse and Guinea Pig.

Recommended Positive Control:

Tonsil, Lymph Node or Spleen

Presentation:

20 mM tris-borate, 150 mM Sodium Chloride, dialyzed media RPMI 1640/D-MEM containing fetal bovine serum, BMC-6 carrier polysaccharides, carrier protein, and 0.05% Sodium Azide, pH 7.5.

Aliquoting Instructions:

GENERAL INSTRUCTIONS: Do not dilute the entire reconstituted solution at once. Withdraw aliquots as needed with a micropipette and keep concentrated stock at 4°C. Dilute according to the particular application being used. In general, the 0.05M borate pH 8.0 containing 0.15M sodium chloride, 0.02% sodium azide, is a good diluent to use with most antibodies. Avoid diluting the entire contents of the vial at once since the diluted solution may have reduced stability.

Staining Procedure:

This antibody can be used on formalin-fixed, paraffin-embedded tissue sections. Prolonged fixation in buffered formalin can destroy the epitope. This antibody may be used at a dilution 1:50-1:100. The optimal conditions should be determined by the individual laboratory.

Specificity:

This antibody reacts with macrophage L1 protein, also known as calprotectin, calgranulin, or cystic fibrosis antigen.

Storage:

Store at 2~8o C for short term, freeze under -20oC for long term storage.

Size: 0.2mg

Clone: B314.1 (MAC 387)

Isotype: IgG1

Host: Mouse

Form: Purified

Concentration: IgG approx. 0.5 mg/ml

Units On Hand: YES

References:

1. Brandzaeg P, Jones DB, Flavell DJ, Fagerhold MK. MAC 387 antibody and detection of formalin resistant myelomonocytic L1 antigen. J Clin Pathol 41: 963-70, 1988.
2. Brandtzaeg P, Dale I, Gabrielsen T-Ø. The leucocyte protein L1 (calprotein): usefulness as an immunohistochemical marker antigen and putative biological function. Histopathology; 1992.
3. Anderson, CB; et al. Apmis, 1994, 102(1): 23-27.

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