

Mouse Anti-Macrophage Specific [LN-5]: MC0834, MC0834RTU7

Intended Use: For Research Use Only

Description: LN5 stains an unidentified antigen in cytoplasm of macrophages and histiocytes in hematopoietic organs. It stains mantle zone B lymphocytes of the lymph node and spleen, spermatogonia, chief cells of the stomach, ductal epithelium of breast and tubular epithelium of kidney. It is strongly reactive with cases of true histiocytic lymphoma but is negative, except for macrophages, in Hodgkin's disease and non-Hodgkin's lymphomas. It can be an important tool for the study of malignant and benign histiocytic lesions.

Specifications

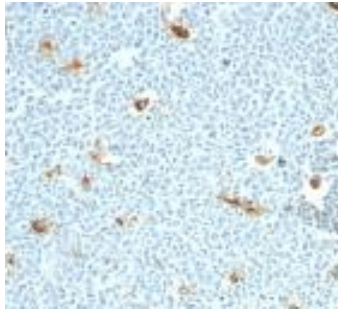
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|---------------|--|
| Clone: | LN-5 |
| Source: | Mouse |
| Isotype: | IgM/k |
| Reactivity: | Human |
| Immunogen: | Human peripheral blood mononuclear cells |
| Localization: | Cytoplasm |
| Formulation: | Antibody in PBS pH7.4, containing BSA and $\leq 0.09\%$ sodium azide (NaN ₃) |
| Storage: | Store at 2°- 8°C |
| Applications: | IHC |
| Package: | |

| Description | Catalog No. | Size |
|----------------------------------|-------------|------|
| Macrophage Specific Concentrated | MC0834 | 1 ml |
| Macrophage Specific Prediluted | MC0834RTU7 | 7 ml |

IHC Procedure*

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|---------------------------|---|
| Positive Control Tissue: | Liver |
| Concentrated Dilution: | 50-200 |
| Pretreatment: | Tris EDTA pH9.0, 15 minutes Pressure Cooker or 30-60 minutes 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 tonsil stained with Macrophage Specific using DAB

References:

1. Databases for technical aspects of immunohistochemistry. Furukawa S, et al. J Toxicol Pathol 30:79-107, 2017.
2. Persistent activation of autophagy in kidney tubular cells promotes renal interstitial fibrosis during unilateral ureteral obstruction. Livingston MJ, et al. Autophagy 12:976-98, 2016.
3. The HMGB1/RAGE axis triggers neutrophil-mediated injury amplification following necrosis. Huebener P, et al. J Clin Invest 125:539-50, 2015.
4. UNC5B receptor deletion exacerbates DSS-induced colitis in mice by increasing epithelial cell apoptosis. Ranganathan P, et al. J Cell Mol Med 18:1290-9, 2014.