

**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**

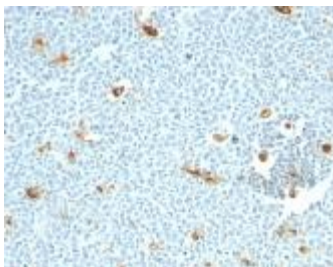
Clone: LN-5  
 Source: Mouse  
 Isotype: IgM/k  
 Reactivity: Human  
 Localization: Cytoplasm  
 Formulation: Antibody in PBS pH7.4, containing BSA and ≤ 0.09% sodium azide (NaN<sub>3</sub>)  
 Storage: Store at 2°- 8°C  
 Applications: IHC, Flow Cyt., IF  
 Package:

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

**IHC Procedure\***

Positive Control Tissue: Liver  
 Concentrated Dilution: 50-200  
 Pretreatment: Citrate pH6.0, 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 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.