



Macrophage [LN-5], Antibody

GenWay ID: GWB-A4D510
Legacy ID: 20-272-190462
Size: 0.2 ml
Source: Mouse
Reactivity: Human - Not yet
 tested in other species

Clone: LN-5
Isotype: IgM

Immunogen: Deparaffinized human peripheral blood mononuclear cells.

Antigen Species: Human

Specificity: Monoclonal Anti-Human Macrophages recognizes an antigen present in the cytoplasm of human macrophages in a wide variety of tissues and organs. Target: Macrophage Storage Buffer: Preservative: 0.1% Sodium Azide

Application Note: IF: Use at a dilution of 1/400. The epitope recognized by the product is resistant to formalin fixation and paraffin embedding. The antibody also may be used on material fixed with B5 solution, neutral buffered formalin, Zinc-Formalin, Brunnel's, Susa and Bouin's solutions. The antigen is not detectable by the antibody in standard frozen sections. Using indirect immunofluorescent or immunoperoxidase methods, the antibody stains the cytoplasm of macrophages and histiocytes in hematopoietic organs and Kupffer cells of the liver and Langerhans cells of the skin. Mantle zone B lymphocytes, interdigitating reticulum cells of lymph nodes and B cells in spleen are stained. Bone marrow lymphoid and myeloid precursor cells stain with a uniform interstitial pattern. Certain normal non-lymphoid cells such as spermatogonia are stained while others such as breast ductal epithelium, kidney tubular epithelium, endometrium, parathyroid and stomach chief cells are only weakly stained. The antibody is reactive with benign and malignant histiocytic

lesions such as sinus histiocytosis, dermatopathic lymphadenopathy, persistent generalized lymphadenopathy, tuberculosis, sarcoidosis, Gaucher's disease, true histiocytic lymphomas, malignant histiocytosis and histiocytosis-X. Not tested in other applications. Optimal dilutions/concentrations should be determined by the end user. Macrophages and histiocytes, which are widely distributed throughout the body, play a crucial role in the body defense mechanisms. They are heterogenous in morphology, cytochemistry, function and surface antigens. Immunohistochemical labeling with monoclonal antibodies is one of the most specific and reliable techniques for the identification and localization of these cells. Monoclonal antibodies to macrophage and histiocyte surface or cytoplasmic antigens are important for the immunodiagnosis of both benign and malignant histiocytic lesions. They are useful in the investigation of macrophage differentiation and maturation and in the diagnosis of various inflammatory, reactive and neoplastic disorders of macrophages.

Additional Info for Macrophage [LN-5], Antibody

Related Product Names	Mouse monoclonal [LN - 5] to Macrophages Macrophage [LN-5]Macrophage
Purity	Ascites
Clonality	Monoclonal
Applications	IF