Ready-to-Use
DAKO LSAB®
Primary Antibody
and Negative Control
CODE NO.: N 1570

NAME: MOUSE ANTI-MONOCLONAL MYELOID/HISTIOCYTE ANTIGEN, MAC387, PREDILUTED

PRESENTATION:

PRIMARY ANTIBODY: 7 ml supernatant mouse monoclonal antibody to myeloid/histiocyte antigen in 0.05M Tris-HCl buffer, pH 7.6, containing carrier protein and 15mM sodium azide.

NEGATIVE CONTROL REAGENT: 5 ml fetal calf serum in 0.05M Tris-HCl buffer, pH 7.6, containing carrier protein and 15mM sodium azide.

INTENDED USE: This product has been optimally diluted for use in DAKO LSAB® Kits and DAKO LSAB® 2 Kits. Primary antibody or negative control reagent should be applied as directed in the Instructions included with each kit. The recommended incubation time of this primary antibody is 10 minutes at room temperature.

FOR RESEARCH USE ONLY. Not for use in diagnostic procedures.

CLONE/REF: MAC387

SUBCLASS: IgG1, kappa

IMMUNOGEN: Purified peripheral blood monocyte components prepared by affinity chromatography on polyclonal anti-monocyte-Sepharose 6B

REACTIVITY: DAKO-MAC387 was characterized by the Third International Workshop on Human Leukocyte Differentiation Antigen (Oxford 1986) as a heterogenous anti-tissue macrophage antibody.

This monoclonal antibody reacts with a cytoplasmic protein expressed in human granulocytes, blood monocytes and tissue histiocytes. The antigen has also been demonstrated in resting peripheral blood neutrophils and monocytes.\(^1\)\(^2\) Tissue histiocytes that can be decorated with this antibody include infiltrating and reactive histiocytes, alveolar macrophages, tumor infiltrating macrophages, sinus histiocytes, epithelioid giant cells (variably) and cells in histiocytosis X and dermatopathic lymphadenopathy.\(^1\) Germinal center macrophages are not labelled. In peripheral blood smears the cytoplasm of monocytes and granulocytes is labelled but lymphocytes do not react. Among epithelial tissues, the squamous type found in skin and tonsil is labelled whereas glandular epithelium is negative.

This antibody has been helpful in the identification of histiocytic proliferations in histiocytic lymphoma.\(^3\)\(^6\)

SPECIMEN: Formalin-fixed, paraffin-embedded tissue sections, cryostat sections, and cell preparations. Use of proteolytic enzymes is recommended for greater staining intensity and uniformity on formalin-fixed tissues.

APPLICATION: This product can be used to demonstrate granulocytes, monocytes and histiocytes in most tissues. For the identification of histiocytic lymphoma, this antibody can be used in a panel of antibodies labelling the cytoplasm of normal and malignant histiocytes.
LIMITATIONS: This product has been developed for use in DAKO LSAB® Kits and DAKO LSAB® 2 Kits. It may also be used as a primary antibody and negative control in other staining systems, however, some procedural alterations may be required to achieve optimal results. This antibody is not compatible with DAKO LSAB® + Kits.

STORAGE: Store at 2-8°C.

REFERENCES: