

Monoclonal Mouse Antibody to Linker for Activation of T Cells (LAT)

Catalog No.:	Mob 414, Mob 414-05
Intended Use:	This product is intended for qualitative immunohistochemistry with normal and neoplastic formalin-fixed, paraffin-embedded tissue sections, to be viewed by light microscopy. Clinical interpretation of staining results should be accompanied by histological studies with proper controls. Patients' clinical histories and other relevant diagnostic tests should be utilized by a qualified person(s) when evaluating and interpreting results.
Immunogen:	Prokaryotic recombinant protein corresponding to a region of 120 amino acids with in the C-terminus of the LAT molecule.
Clone:	3.8
Isotype:	IgG1
Format:	This antibody is supplied as tissue culture supernatant containing sodium azide as a preservative.
Titer/Working Dilution:	This antibody may be diluted to a titer of 1:25-1:50 in an ABC method. The final dilution should be determined by the user based upon the staining conditions employed.
Staining Protocol:	We suggest an incubation period of 60 minutes at room temperature. Optimal incubation conditions should be determined by the user based upon the fixation conditions and staining system employed. <u>High temperature treatment of formalin-fixed tissue sections with 10mM citrate buffer, pH 6.0 must be performed prior to the immunostaining.</u>
Specificity:	Linker for activation of T cells (LAT) is an integral membrane protein (36 to 38 kD), which plays an important role in linking engagement of the TCR to the biochemical events of T cell activation. LAT antibody stains thymus and peripheral lymphoid tissues such as T cell areas in lymph nodes and spleen. LAT is expressed in T lymphocytes in interstitial spaces, platelets and megakaryocytes. LAT is not expressed in B cells, macrophages, plasma cells, monocytes, epithelial histiocytes and dendritic cells.
Positive Control:	Tonsil
Cellular Localization:	Membrane
Storage:	Store at 2-8°C. Do not use beyond the expiration date stated on the label.
References:	i) Facchetti et al. J Pathol 154: 1037, 1999. ii) Fukazawa et al. The J Biol Chem 270: 20177, 1995. iii) Zhang et al. Cell 92: 83, 1998.

IVD: For In Vitro Diagnostic Use

DBS will not be held responsible for patent infringement or other violation that may occur with the use of our product

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