

anti-human CD74

The antibody BU45 is specific to CD74.
This antibody does not cross react with canine tissue.

CD74 recognizes the cell surface expressed MHC Type II associated invariant chain molecule (33, 35, 41 kDa) present on B cells, activated T cells and epithelial cells.

The BU45 epitope is a distinct determinant found distal from the C-terminus within the extracytoplasmatic domain of the CD74 antigen. It can be used to distinguish B cell lymphomas from T cell lymphomas. The different stages of B cell maturation are all positive with BU 45 including pre-B, ALL, B-CLL and Hairy Cell Leukaemia. Similar mononuclear Hodgkin and Reed-Sternburg cells stain positive with anti CD 74 antibodies.

In non-lymphoid neoplasia CD74 expression is seen in epithelial tumours such as adenocarcinoma of the uterus, transitional cell carcinoma of the bladder and lung squamous cell carcinoma.

Clone:	BU45
Isotype:	Mouse IgG1
Physical state:	Purified from ascites by protein-A chromatography
Purity:	> 95% (by SDS-PAGE)
Buffer:	PBS with 15 mM sodium azide (pH 7.4)
Storage Instruction:	Store at 4 °C. For long-term storage aliquot and store at -20°C. Avoid freeze/thaw cycles.
Application:	Flow Cytometry, Immunofluorescence, Immunohistochemistry (paraffin sections). On frozen section it labels the nuclear membrane of B cells in the follicular centre and mantle zone and a cytoplasmic protein that is HLA Class II positive.
Reference:	Leucocyte Typing VI, (1998) Garland Publishing, NY
Quantity:	0.1 mg
Order N°:	H12455

Warning: Sodium azide is harmful if swallowed (R22). Keep out of reach of children (S2). Keep away from food, drink and animal feeding stuff (S13). Wear suitable protective clothing (S36). If swallowed, seek medical advice immediately and show this container or label (S46). Contact with acids liberates very toxic gas (R32).

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