

## 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.

<b>Clone:</b>	BU45
<b>Isotype:</b>	Mouse IgG1
<b>Physical state:</b>	Liquid for direct use
<b>Form:</b>	purified antibody conjugated with Fluorescein isothiocyanate (FITC)
<b>Buffer:</b>	PBS containing 1% BSA and 0.1% sodium azide (pH 7.4)
<b>Storage :</b>	Store at 4 °C. Do not freeze. Avoid prolonged exposure to light.
<b>Application:</b>	Flow Cytometry
<b>Reference:</b>	Leucocyte Typing VI, (1998) Garland Publishing, NY
<b>Quantity:</b>	1.0 ml
<b>Order N°:</b>	H12455F

**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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