

anti-human CD74 FITC-conjugated**Cat-No.: H12455F** **1 ml****Clone:** BU45

Specificity: This antibody recognises 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 extracytoplasmic 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. Similarly 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.

Isotype subclass: Mouse IgG1**Form:** Purified by protein A chromatography. Conjugated with FITC.**Physical state:** Liquid**Buffer/Additives/Preservative:** PBS containing 1% BSA and 0.09% sodium azide, pH 7.4**Expiration date:** The reagent is stable until the expiry date stated on the vial label.**Storage conditions:** Store at 4°C. Do not freeze. Avoid prolonged exposure to light.**Application:**
Flow Cytometry**References:**

Leucocyte Typing IV, (1989) Oxford University Press
Leucocyte Typing VI, (1998) Garland Publishing, NY

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). Azide compounds should be flushed with large volumes of water during disposal to avoid deposits in lead or copper plumbing where explosive conditions can develop.

This material is offered for **research only**. Not for use in human. For in vitro use only.
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