

## anti-human CD74 FITC-conjugated

FITC-conjugated monoclonal antibody BU45 to CD74 (Human)

Cat-No: **21480743**

500 µl

**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.

**Isotype subclass:** Mouse IgG1

**Form:** The purified antibody is conjugated with Fluorescein isothiocyanate (FITC) under optimum conditions. The reagent is adjusted for direct use. No reconstitution is necessary.

**Physical state:** Liquid

**Buffer/Additives/Preservative:** PBS containing 1% BSA and 0.09% sodium azide, pH 7.2

**Expiration date:** The reagent is stable until the expiry date stated on the vial label.

**Storage conditions:** Store at 4°C. Avoid prolonged exposure to light.

**Application:** Flow Cytometry

### References:

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

**Background:** 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. 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.

**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 use only**. Not for use in human. For in vitro use only. ImmunoTools will not be held responsible for patent infringement or other violations that may occur with the use of our products.

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