

# anti-human CD21

## Monoclonal Antibody BU32 to CD21 (Human)

Cat-No: **21480211**

100 µg in 100 µl

**Clone:** BU32

### Specificity:

Reacts with the cell surface differentiation antigen CD21, which is a 145 kDa membrane glycoprotein with a 130 kDa soluble form. CD21 functions as a receptor for C3d and for Epstein-Barr virus. CD21 is part of the signalling complex that is linked to CD19, CD81, CD225 and an intracellular effector enzyme phosphatidylinositol-3-kinase. The antigen is present on the majority of mature peripheral B lymphocytes. Its expression is lost in normal B cells following activation and it has a distinct distribution among B cell malignancies differing from other B cell markers eg CD19 and CD20. CD21 is also present on Follicular Dendritic Cells where the distribution is disrupted in Hodgkins Lymphoma.

**Isotype subclass:** Mouse IgG2a

**Form:** Purified by protein A chromatography.

**Physical state:** Liquid

**Buffer/Additives/Preservative:** PBS containing 0.09% sodium azide, pH 7.2.

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

**Storage conditions:** Aliquot and store at 4°C. For long-term aliquot and store at -20°C. Avoid freeze/thaw cycles.

**Application:** Flow Cytometry  
Immunofluorescence  
Immunoprecipitation

**References:** Aubury, J.P: et al., (1992) Nature 358, p.505-507  
Leucocyte Typing III (1987), Oxford University Press  
Leucocyte Typing IV (1989), Oxford University Press  
Leucocyte Typing V (1995), Oxford University Press  
Leucocyte Typing VI (1998), Oxford 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. 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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