

## anti-human CD11c PE-conjugated

PE-conjugated monoclonal antibody BU15 to CD11c (Human)

**Cat-No: 21487114**

500  $\mu$ l

**Clone: BU15**

**Specificity:** The antibody BU15 reacts with CD11c ( $\alpha$ X, p150), a 150 kDa integrin expressed mainly on dendritic cells and tissue macrophages.

**HLDA III; WS Code M 256**

**HLDA V; WS Code AS S143**

**HLDA VI; WS Code AS Ref.6**

**Isotype subclass:** Mouse IgG1

**Form:** The purified antibody is conjugated with R-Phycoerythrin (R-PE) 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

**Background:** CD11c (p150,  $\alpha$ X integrin subunit) forms complex with CD18 ( $\beta$ 2 integrin subunit) and is expressed mainly on tissue macrophages and dendritic cells. CD11c binds to complement fragment iC3b, fibrinogen, VCAM-1 and ICAM-2 or e.g. CD90. Like other  $\beta$ 2 integrins, CD11c/CD18 plays roles in cell migration and phagocytosis. Moreover, interaction of CD11c/CD18 with plasminogen regulates plasmin activities, and interaction with heparin counteracts binding of iC3b.

### References:

- \*Sadhu C and others: J Leukoc Biol. 2007 Jun;81(6):1395-403.
- \*Gang J and others: Mol Cells. 2007 Oct 31;24(2):240-6.

**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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