

anti-human CD11c

Monoclonal Antibody BU15 to CD11c (Human)

Cat-No: 21487111

100 µg in 100 µl

Clone: BU15

Specificity: The antibody BU15 reacts with CD11c (αX, 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: Purified from ascites by protein-A affinity chromatography.

Physical state: Liquid

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

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

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

Application:

Flow Cytometry

Immunohistochemistry (frozen sections)

Immunoprecipitation

Background: CD11c (p150, αX integrin subunit) forms complex with CD18 (β2 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 β2 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.

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