Monoclonal Antibody to CD11c
PE-Cy™7 conjugated (100 tests)

Clone: BU15
Isotype: Mouse IgG1
Specificity: The antibody BU15 reacts with CD11c (alphaX, 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
Regulatory Status: RUO
Immunogen: Dendritic cells of synovial fluid
Species Reactivity: Human, Monkey
Preparation: The purified antibody is conjugated with tandem dye PE-Cy™7 under optimum conditions. The conjugate is purified by size-exclusion chromatography and adjusted for direct use. No reconstitution is necessary.
Storage Buffer: The reagent is provided in stabilizing phosphate buffered saline (PBS) solution containing 15mM sodium azide.
Storage / Stability: Store in the dark at 2-8°C. Do not freeze. Avoid prolonged exposure to light. Do not use after expiration date stamped on vial label.
Usage: The reagent is designed for Flow Cytometry analysis of human blood cells using 4 µl reagent / 100 µl of whole blood or 10^6 cells in a suspension. The content of a vial (0.4 ml) is sufficient for 100 tests.
Expiration: See vial label
Lot Number: See vial label
Background: CD11c (p150, alphaX integrin subunit) forms complex with CD18 (beta2 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 beta2 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:


*And many other.

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