EXBIO Antibodies

PRODUCT DATA SHEET

A6-529-T100

Monoclonal Antibody to CD11c Alexa Fluor® 647 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

Immunogen: Dendritic cells of synovial fluid

Species Reactivity: Human, Monkey

Preparation: The purified antibody is conjugated with Alexa Fluor® 647 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 phosphate buffered saline (PBS) containing 15 mM sodium azide and 0.2% (w/v) high-grade protease free Bovine Serum Albumin (BSA) as a stabilizing agent.

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.
Short-term exposure to room temperature should not affect the quality of the reagent. However, if reagent is stored under any conditions other than those specified, the conditions must be verified by the user.

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.

For laboratory research only, not for drug, diagnostic or other use.

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*And many other.

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