

TECHNICAL DATA SHEET

CyFlow™ CD11c Pacific Blue™ Anti-Hu; Clone BU15

REF AP415041



Sysmex Partec GmbH
Arndtstraße 11 a-b
02826 Görlitz
Germany
Tel.: +49 3581 8746 0
E-mail: info@sysmex-partec.com
www.sysmex-partec.com

Distributed in the U.S.A. and Canada by:
Sysmex America, Inc.
577 Aptakisic Road
Lincolnshire, IL 60069, U.S.A.
Tel.: 1-888-879-7639 or 1-847-367-3503
E-mail: cytometry@sysmex.com
<https://us.sysmex-flowcytometry.com/>

For Research Use Only.

Not for use in diagnostic or therapeutic procedures.

Specifications

Antigen	CD11c
Alternative Names	p150
Clone	BU15
Clonality	monoclonal
Format	Pacific Blue™
Host / Isotype	Mouse / IgG1
Species Reactivity	Human, Non-Human Primates
Negative Species Reactivity	—
Quantity	100 tests
Immunogen	Dendritic cells of synovial fluid



Specificity

The mouse monoclonal antibody BU15 reacts with CD11c antigen, 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

Application

The reagent is designed for flow cytometry analysis of human blood cells. Recommended usage is 4 μ l reagent / 100 μ l of whole blood or 10^6 cells in a suspension. The content of a vial (0.4 ml) is sufficient for 100 tests.

Other usages may be determined from the scientific literature.

Storage Buffer

The reagent is provided in stabilizing phosphate buffered saline (PBS) solution, pH \approx 7.4, containing 0.09% (w/v) sodium azide and 0.2% (w/v) BSA.

Storage and Stability

Storage	Avoid prolonged exposure to light. Store in the dark at 2-8°C. Do not freeze.
Stability	Do not use after expiration date stamped on vial label.

Background Information

CD11c (α X integrin subunit) forms complex with CD18 (β 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 β 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.

Warnings

Non-Hazardous Statement: This is not considered hazardous by the criteria in 29 CFR 1910.1200 or the General Classification guideline for preparations of the EU.

Safety Data Sheet Statement: Important information regarding the safe handling, transport, and disposal of this product is contained in the Safety Data Sheet (SDS). SDS are available at <http://www.sysmex-partec.com/services>, or at <https://us.sysmex-flowcytometry.com/> (U.S. customers only).











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Symbols

 REF	Reference number		Contains sufficient for <n> tests
 RUO	For research use only		Temperature limit
 LOT	Batch code		Keep away from sunlight
	Manufacturer		Consult accompanying documents
	Use-by date		Unique device identifier

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