

## Technical Data Sheet

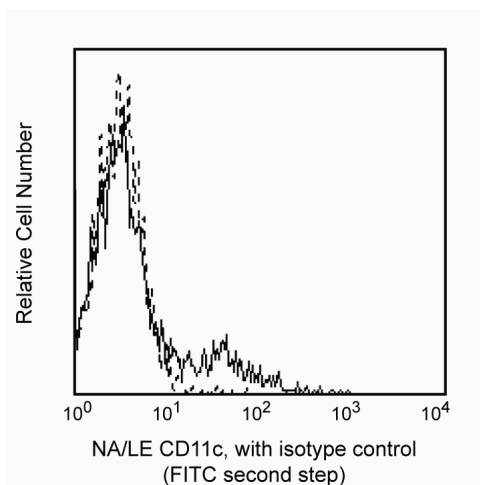
## Purified NA/LE Mouse Anti-Human CD11c

## Product Information

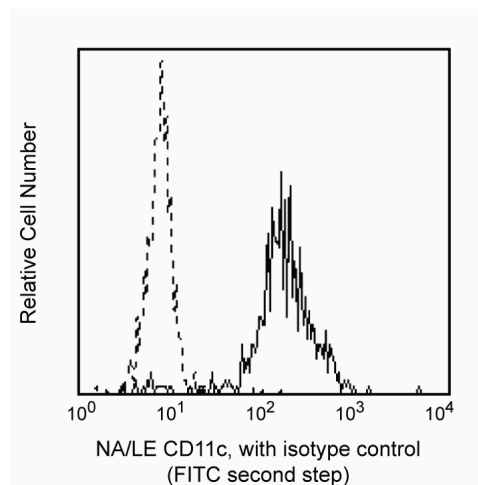
<b>Material Number:</b>	<b>555390</b>
<b>Alternate Name:</b>	ITGAX; AlphaX integrin chain; Axb2; Integrin alpha-X; CR4; Leu M5; SLEB6
<b>Size:</b>	0.5 mg
<b>Concentration:</b>	1.0 mg/ml
<b>Clone:</b>	B-ly6
<b>Isotype:</b>	Mouse IgG1, $\kappa$
<b>Reactivity:</b>	QC Testing: Human
<b>Workshop:</b>	IV N012
<b>Storage Buffer:</b>	No azide/low endotoxin: Aqueous buffered solution containing no preservative, 0.2 $\mu$ m sterile filtered. Endotoxin level is $\leq 0.01$ EU/ $\mu$ g ( $\leq 0.001$ ng/ $\mu$ g) of protein as determined by the LAL assay.

## Description

The B-ly6 monoclonal antibody specifically binds to the 150 kDa adhesion glycoprotein CD11c (p150, integrin  $\alpha$  chain). CD11c is expressed on dendritic cells, monocytes, macrophages, granulocytes, NK cells and subsets of B and T cells. It associates with CD18 to form the CD11c/CD18 complex that binds fibrinogen and has been reported to be a receptor for iC3b and ICAM-1. Reports indicate that CD11c/CD18 plays a role as an adhesion molecule that mediates cellular binding to ligands expressed on stimulated epithelium and endothelium.



Profile of peripheral blood lymphocytes analyzed by flow cytometry



Profile of peripheral blood monocytes analyzed by flow cytometry

## Preparation and Storage

Store undiluted at 4°C.

The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography.

This preparation contains no preservatives, thus it should be handled under aseptic conditions.

## Application Notes

## Application

Flow cytometry	Routinely Tested
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## Suggested Companion Products

Catalog Number	Name	Size	Clone
555988	FITC Goat Anti-Mouse IgG/IgM	0.5 mg	Polyclonal
554721	Purified NA/LE Mouse IgG1 $\kappa$ Isotype Control	0.5 mg	107.3
555746	Purified Mouse IgG1, $\kappa$ Isotype Control	0.1 mg	MOPC-21

## Product Notices

- Since applications vary, each investigator should titrate the reagent to obtain optimal results.

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2. Please refer to [www.bdbiosciences.com/pharming/protocols](http://www.bdbiosciences.com/pharming/protocols) for technical protocols.

## References

Barclay NA, Brown MH, Birkeland ML, et al, ed. *The Leukocyte Antigen FactsBook*. San Diego, CA: Academic Press; 1997. (Biology)

Knapp W, Dorken B, Rieber EP, et al, ed. *Leucocyte Typing IV*. New York: Oxford University Press; 1989:1-1208. (Clone-specific)

Stacker SA, Springer TA. Leukocyte integrin P150,95 (CD11c/CD18) functions as an adhesion molecule binding to a counter-receptor on stimulated endothelium. *J Immunol*. 1991; 146(2):648-655. (Biology)

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