

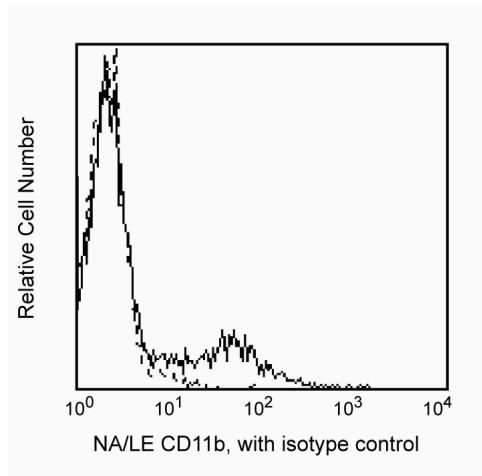
Technical Data Sheet

Purified NA/LE Mouse Anti-Human CD11b/Mac-1**Product Information**

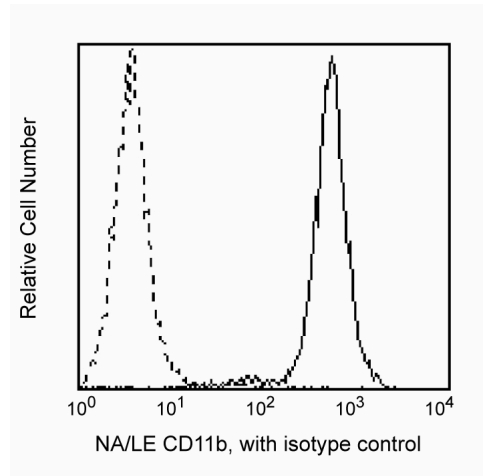
| | |
|-------------------------|---|
| Material Number: | 555385 |
| Alternate Name: | Mac-1 α , integrin α M subunit, CR3 α chain |
| Size: | 0.5 mg |
| Concentration: | 1.0 mg/ml |
| Clone: | ICRF44 (also known as 44) |
| Immunogen: | Human monocytes |
| Isotype: | Mouse IgG1, κ |
| Reactivity: | QC Testing: Human |
| Workshop: | IV M047 |
| Storage Buffer: | No azide/low endotoxin: Aqueous buffered solution containing no preservative, 0.2 μ m sterile filtered. Endotoxin level is ≤ 0.01 EU/ μ g (≤ 0.001 ng/ μ g) of protein as determined by the LAL assay. |

Description

The ICRF44 monoclonal antibody reacts with CD11b, the 165-kDa adhesion glycoprotein that associates with the 95-kDa integrin β 2 (CD18) to form the CD11b/CD18 complex, also known as Mac-1 or CR3. CD11b is expressed on activated lymphocytes, monocytes, granulocytes, and a subset of NK cells. CD11b functions in cell-cell and cell-substrate interactions and is a receptor for iC3b, CD54 (ICAM-1), CD102 (ICAM-2) and CD50 (ICAM-3). This antibody significantly inhibits polymorphonuclear leukocyte aggregation in response to fMLP.



Profile of peripheral blood lymphocytes analyzed on a FACScan (BDIS, San Jose, CA)



Profile of peripheral blood granulocytes analyzed on a FACScan (BDIS, San Jose, CA)

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 |
| Functional assay | Tested During Development |

Suggested Companion Products

| Catalog Number | Name | Size | Clone |
|----------------|--|--------|------------|
| 554721 | Purified NA/LE Mouse IgG1 κ Isotype Control | 0.5 mg | 107.3 |
| 555988 | FITC Goat Anti-Mouse IgG/IgM | 0.5 mg | Polyclonal |
| 555386 | Purified Mouse Anti-Human CD11b/Mac-1 | 0.1 mg | ICRF44 |

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Product Notices

1. Since applications vary, each investigator should titrate the reagent to obtain optimal results.
2. Please refer to www.bdbiosciences.com/pharming/en/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)