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## Product Datasheet

### Mouse anti CD65s, conjugated to FITC, IgM, Clone: [VIM2], Monoclonal NMB-GM-4102

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| Article Name               | Mouse anti CD65s, conjugated to FITC, IgM, Clone: [VIM2], Monoclonal                                                                                                                                                                                           |
| Biozol Catalog Number      | NMB-GM-4102                                                                                                                                                                                                                                                    |
| Supplier Catalog Number    | GM-4102                                                                                                                                                                                                                                                        |
| Alternative Catalog Number | NMB-GM-4102                                                                                                                                                                                                                                                    |
| Manufacturer               | NordicMubio                                                                                                                                                                                                                                                    |
| Host                       | Mouse                                                                                                                                                                                                                                                          |
| Category                   | Antikörper                                                                                                                                                                                                                                                     |
| Application                | FC, IF                                                                                                                                                                                                                                                         |
| Species Reactivity         | Human                                                                                                                                                                                                                                                          |
| Conjugation                | FITC                                                                                                                                                                                                                                                           |
| Product Description        | The epitope recognized by antibody VIM2 is expressed by virtually all myeloid cells including normal and malignant granulocytes and monocytes. In normal myelopoiesis VIM2 can first be detected after the late CFU-GM stage. In acute myeloid leukemias (...) |
| Clonality                  | Monoclonal                                                                                                                                                                                                                                                     |
| Clone Designation          | [VIM2]                                                                                                                                                                                                                                                         |
| Isotype                    | IgM                                                                                                                                                                                                                                                            |
| Buffer                     | 2 ml of FITC-conjugated anti CD65s (clone VIM2) in PBS pH 7.2, 1% BSA, and 0.05% NaN3, approximately 100 tests.                                                                                                                                                |

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| Source            | VIM2 was produced after immunization of mice with an extract of THP-1, a monocytic cell line derived from a patient with acute monocytic leukemia.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Form              | FITC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Formula           | PBS pH 7.2, 1% BSA, 0.05% NaN <sub>3</sub>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Application Notes | <p>Staining Procedure Direct Immunofluorescence (Staining Procedure)</p> <p>Nordic-MUBio fluorochrome labeled antibodies are designed for use with either whole blood or isolated mononuclear cell (MNC) preparations. Proposed staining procedure for whole blood in short: - For each sample add 50 µl of EDTA anti-coagulated blood to a 3-5 ml tube - Add 20 µl of the appropriate Nordic-MUBio monoclonal antibody conjugate - Incubate the tube for 15 minutes at 4C or at room temperature in the dark - Add 100 µl NM-LYSE (Cat.No. GAS-003) to each tube and incubate for 10 minutes at room temperature - Add 3-4 ml of distilled water and vortex, incubate for 5-10 minutes at room temperature - Centrifuge tube for 5 minutes at 300 g - Aspirate supernatant and resuspend pellet in 0.3 ml of sheath fluid - Analyze immediately or store samples at 2-8 C in the dark and analyze within 24 hours For "No-Wash protocol please refer to <a href="http://www.nordicmubio.com">www.nordicmubio.com</a> Proposed staining procedure for MNC in short: - Carefully add 20 µl antibody conjugate and 50-100 µl MNC to the bottom of a tube - Vortex at low speed for 1-2 seconds - Incubate for 15-30 minutes at 2-8C or at room temperature - Centrifuge tubes for 5 minutes at 300 g - Remove supernatant, resuspend cells in 2-5 ml of phosphate buffered saline (PBS) and centrifuge cells again for 5 minutes at 300 g - Remove supernatant and resuspend cells in sheath fluid for immediate analysis or resuspend cells in 0.5 ml 1 % formaldehyde and store them at 2-8C in the dark. Analyze fixed cells within 24 hours Indirect Immunofluorescence (Staining Procedure) - Mix 20 µl Nordic-MUBio purified antibody with 50 µl whole blood or MNC suspension - Incubate for 15 minutes at 2-8C - Wash cells with phosphate buffered saline (PBS) - Add to cell pellet 20 µl of affinity purified, fluorochrome labeled F(ab)<sub>2</sub> anti mouse Ig antibodies - Incubate for 15 minutes at 2-8C - Wash cells with phosphate buffered saline (PBS) or proceed as described for direct staining</p> |