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## Product Datasheet

### Mouse anti CD45, conjugated to FITC, IgG2a, Clone: [VIT200], Monoclonal NMB-GM-4062

|                          |                                                                                                                                                                                                                                                               |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Artikelname              | Mouse anti CD45, conjugated to FITC, IgG2a, Clone: [VIT200], Monoclonal                                                                                                                                                                                       |
| Artikelnummer            | NMB-GM-4062                                                                                                                                                                                                                                                   |
| Hersteller Artikelnummer | GM-4062                                                                                                                                                                                                                                                       |
| Alternativnummer         | NMB-GM-4062                                                                                                                                                                                                                                                   |
| Hersteller               | NordicMubio                                                                                                                                                                                                                                                   |
| Wirt                     | Mouse                                                                                                                                                                                                                                                         |
| Kategorie                | Antikörper                                                                                                                                                                                                                                                    |
| Applikation              | FC, IF                                                                                                                                                                                                                                                        |
| Spezies Reaktivität      | Human                                                                                                                                                                                                                                                         |
| Konjugation              | FITC                                                                                                                                                                                                                                                          |
| Produktbeschreibung      | The CD45 molecule is typically expressed at high levels on all hematopoietic cells. CD45 is a major component of the glycocalix of these cells and can be expressed in different isoforms. Antibody VIT200 recognizes a pan CD45 epitope, which is express... |
| Klonalität               | Monoclonal                                                                                                                                                                                                                                                    |
| Klon-Bezeichnung         | [VIT200]                                                                                                                                                                                                                                                      |
| Isotyp                   | IgG2a                                                                                                                                                                                                                                                         |
| UniProt                  | <a href="#">P08575</a>                                                                                                                                                                                                                                        |

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| Puffer                 | 2 ml of FITC-conjugated anti CD45 (clone VIT200) in PBS pH 7.2, 1% BSA, and 0.05% NaN <sub>3</sub> , approximately 100 tests.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Formulierung           | FITC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Formel                 | PBS pH 7.2, 1% BSA, 0.05% NaN <sub>3</sub>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Anwendungsbeschreibung | <p>Direct Immunofluorescence (Staining Procedure) 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> |