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Product Datasheet

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

Article Name	Mouse anti CD45, conjugated to FITC, IgG2a, Clone: [VIT200], Monoclonal
Biozol Catalog Number	NMB-GM-4062
Supplier Catalog Number	GM-4062
Alternative Catalog Number	NMB-GM-4062
Manufacturer	NordicMubio
Host	Mouse
Category	Antikörper
Application	FC, IF
Species Reactivity	Human
Conjugation	FITC
Product Description	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...
Clonality	Monoclonal
Clone Designation	[VIT200]
Isotype	IgG2a
UniProt	P08575

Buffer	2 ml of FITC-conjugated anti CD45 (clone VIT200) in PBS pH 7.2, 1% BSA, and 0.05% NaN ₃ , approximately 100 tests.
Form	FITC
Formula	PBS pH 7.2, 1% BSA, 0.05% NaN ₃
Application Notes	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 www.nordicmubio.com 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)₂ 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