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## Product Datasheet

### Mouse anti CD14, conjugated to FITC, IgG1, Clone: [MEM18], Monoclonal NMB-GM-4092

Article Name	Mouse anti CD14, conjugated to FITC, IgG1, Clone: [MEM18], Monoclonal
Biozol Catalog Number	NMB-GM-4092
Supplier Catalog Number	GM-4092
Alternative Catalog Number	NMB-GM-4092
Manufacturer	NordicMubio
Host	Mouse
Category	Antikörper
Application	FC, IF
Species Reactivity	Human
Conjugation	FITC
Product Description	CD14 is a GPI-anchored molecule expressed by virtually all human monocytes and macrophages and - to a lesser degree - granulocytes. CD14 together with Toll-like receptor 4 and MD-2 forms the LPS-receptor complex that recognizes and signals the presen...
Clonality	Monoclonal
Clone Designation	[MEM18]
Isotype	IgG1
UniProt	<a href="#">P08572</a>

Buffer	2 ml of FITC-conjugated anti CD14 (clone MEM18) in PBS pH 7.2, 1% BSA, and 0.05% NaN <sub>3</sub> , approximately 100 tests.
Form	FITC
Formula	PBS pH 7.2, 1% BSA, 0.05% NaN <sub>3</sub>
Application Notes	<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>