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## Product Datasheet

### Mouse anti Lactoferrin, conjugated to PE, IgG1, Clone: [4C5], Monoclonal NMB-GM-4113

Article Name	Mouse anti Lactoferrin, conjugated to PE, IgG1, Clone: [4C5], Monoclonal
Biozol Catalog Number	NMB-GM-4113
Supplier Catalog Number	GM-4113
Alternative Catalog Number	NMB-GM-4113
Manufacturer	NordicMubio
Host	Mouse
Category	Antikörper
Application	FC, IF
Species Reactivity	Human
Conjugation	PE
Product Description	Lactoferrin (LF) is an iron-binding protein with bactericidal and bacteriostatic activity, which is stored within the secondary granules of granulocytes. LF expression is restricted to the post-mitotic maturation compartment of the granulocytic linea...
Clonality	Monoclonal
Clone Designation	[4C5]
Isotype	IgG1
UniProt	<a href="#">P02788</a>

Buffer	2 ml of PE-conjugated anti Lactoferrin (clone 4C5) in PBS pH 7.2, 1% BSA, and 0.05% NaN <sub>3</sub> , approximately 100 tests.
Purity	Purified by Chromatography
Form	PE
Formula	PBS pH 7.2, 1% BSA, 0.05% NaN <sub>3</sub>
Application Notes	<p>Permeabilization and Staining Procedure - In combination with our Permeabilization Kit FIX&amp;PERM (Cat. NoGAS-002) intracellular Lactoferrin can be easily stained in cell suspensions. - For each sample to be analyzed add 50 µl of whole blood, bone marrow or mononuclear cell suspension in a 5ml tube - Add 100 µl of Reagent A (Fixation Medium, stored and used at room temperature) - Incubate for 15 minutes at room temperature - Add 5ml phosphate buffered saline and centrifuge cells for 5 minutes at 300 g - Remove supernatant and add to cell pellet 100 µl Reagent B (Permeabilization Medium) and 20 µl of the Lactoferrin monoclonal antibody conjugate - Vortex at low speed for 1-2 seconds - Incubate for 15 minutes at room temperature - Wash cells with phosphate buffered saline as described above - Remove supernatant and resuspend cells in sheath fluid for immediate analysis or resuspend cells in 0.5 ml 1.0 % formaldehyde and store them at 2-8C in the dark. Analyze fixed cells within 24 hours. Conventional Staining for Microscopic Evaluations LF-Antibody 4C5 can also be used to demonstrate lactoferrin molecules by conventional immunofluorescence or immunoenzyme staining techniques on cell smears, cytopsin preparations or tissue sections. Acetone or paraformaldehyde are suitable fixatives for these purposes.</p>