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Product Datasheet

FIX&PERM Kit 1000 Cell Fixation and Permeabilization Kit (CE/IVD) 2 x 100 ml NMB-GAS-002-1

Article Name	FIX&PERM Kit 1000 Cell Fixation and Permeabilization Kit (CE/IVD) 2 x 100 ml
Biozol Catalog Number	NMB-GAS-002-1
Supplier Catalog Number	GAS-002-1
Alternative Catalog Number	NMB-GAS-002-1
Manufacturer	NordicMubio
Category	Sonstiges
Application	FC
Product Description	Flow cytometric analyses with monoclonal antibodies were so far mainly restricted to cell surface molecules. Intracellular structures such as cytoplasmic or nuclear enzymes, oncoproteins, cytokines, immunoglobulins etc. were largely excluded from suc...
Buffer	This FIX&PERM Cell Fixation and Permeabilization Kit contains 2 reagents: Fixation Medium (Reagent A) and Permeabilization Medium (Reagent B). It is intended for first fixing cells in suspension with Reagent A and then permeabilizing the cell membrane

Application Notes	Biological fluids (blood, bone marrow, and others) must be collected under sterile conditions. Anticoagulation with EDTA or heparin is recommended. The samples should be stored at room temperature until used. For optimal results, samples should be processed and analyzed within 24 hours. Samples with high numbers of non-viable cells might cause false results, such cases require determination of cell viability with e.g. propidium iodide. All biological samples have to be handled with caution. Always consider them as potentially infective. Use appropriate precautions such as gloves, lab-coat, etc. Fixation, permeabilization and staining procedure: 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 appropriate Nordic-MUbio 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. Comments: Special cases (diluted bone marrow samples, other samples containing low soluble protein) might benefit from replenishment with plasma components before the FIX&PERM treatment in order to create a milieu, which more closely resembles the stuation in anti-coagulated blood. For that pupose addition of IgG preparations (e.g. Beriglobulin P, ZLB Behring, final concentration 10mg/ml) and human serum albumin (e.g. human albumin ''Behring 20% - infusion solution, final concentration 40mg/ml) is recommended.