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Product Datasheet

Mouse anti CD3, conjugated to FITC, IgG1, Clone: [UCHT1], Monoclonal NMB-GM-4012

Artikelname	Mouse anti CD3, conjugated to FITC, IgG1, Clone: [UCHT1], Monoclonal
Artikelnummer	NMB-GM-4012
Hersteller Artikelnummer	GM-4012
Alternativnummer	NMB-GM-4012
Hersteller	NordicMubio
Wirt	Mouse
Kategorie	Antikörper
Applikation	FC, IF
Spezies Reaktivität	Human
Konjugation	FITC
Produktbeschreibung	UCHT1 is directed against human CD3 - the multichain complex associated with the T-cell receptor. Precursor T-cells are surface CD3 negative but positive for cytoplasmic CD3. All mature T-cells are both cytoplasmic and surface CD3 positive. The UCHT1...
Klonalität	Monoclonal
Klon-Bezeichnung	[UCHT1]
Isotyp	IgG1
UniProt	P07766

Puffer	2 ml of FITC-conjugated anti CD3 (clone UCHT1) in PBS pH 7.2, 1% BSA, and 0.05% NaN3, approximately 100 tests.
Reinheit	Purified by Chromatography
Formulierung	FITC
Formel	PBS pH 7.2, 1% BSA, 0.05% NaN3

Anwendungsbeschreibung	Staining Procedure for Surface CD3: 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 Nordic-MUbio-LYSE (Cat.No. GAS-003) to each tube and incubate for 10 minutes at room temperature - Add 3-4 ml of destilled 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 Staining Procedure for Cytoplasmatic CD3: Permeabilization and Staining Procedure - In combination with our Permeabilization Kit FIX&PERM (Cat. No. GAS-002) intracellular CD3 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 CD3 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.