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Product Datasheet

Mouse Anti Human CD4, IgG2a, Clone: [Edu-2], Monoclonal
NMB-MUB3002P1

Artikelname	Mouse Anti Human CD4, IgG2a, Clone: [Edu-2], Monoclonal
Artikelnummer	NMB-MUB3002P1
Hersteller Artikelnummer	MUB3002P1
Alternativnummer	NMB-MUB3002P1
Hersteller	NordicMubio
Wirt	Mouse
Kategorie	Antikörper
Applikation	FC, ICC, IHC-Fr, IHC-P
Spezies Reaktivität	Human
Produktbeschreibung	CD4 (Cluster of Differentiation 4) is a glycoprotein expressed on the surface of T helper cells, monocytes, macrophages, and dendritic cells. It was discovered in the late 1970s and was originally known as leu-3 and T4 (after the OKT4 monoclonal anti...
Klonalität	Monoclonal
Klon-Bezeichnung	[Edu-2]
Isotyp	IgG2a
UniProt	P01730
Puffer	Each vial contains 1 ml of 100µg/ml purified monoclonal antibody in 0.01 M sodium phosphate, 0.15 M NaCl, 0.2% BSA, 0.09% sodium azide, pH 7.3.

Quelle	Edu-2 is a mouse monoclonal IgG2a antibody raised against CD4.
Formel	Each vial contains 1 ml of 100µg/ml purified monoclonal antibody in 0.01 M sodium phosphate, 0.15 M NaCl, 0.2% BSA, 0.09% sodium azide, pH 7.3.
Anwendungsbeschreibung	Flow cytometry and immunohistochemistry using frozen and paraffin embedded tissue sections. Optimal antibody dilution should be determined by titration. CD4 (Edu-2) is used in routine blood testing for CD4+ cells and CD4/CD8 ratios (e.g. HIV/AIDS patients) or as part of panels for the detection and differentiation of certain T cell leukemias. All these reagents are effectively formulated for indirect immunofluorescent staining of human blood for flow cytometric analysis using 10 µl/106 leukocytes. Staining with clone Edu-2 (CD4) monoclonal antibodies by flow cytometry analysis of normal blood cells is illustrated. Indirect staining was performed using 10 µl of the purified monoclonal antibody with RaM FITC conjugate and 100 µl blood sample. However each investigator should titer the antibody in their application to determine the optimal per-test amount. CD4 is also used in studies of functional activity of Th-cells in bacterial and viral infections, development of auto-immune diseases, transplant rejection, immune protection in response to allergens or allergenic reactivity.