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## Product Datasheet

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

Article Name	Mouse Anti Human CD4, IgG2a, Clone: [Edu-2], Monoclonal
Biozol Catalog Number	NMB-MUB3002P1
Supplier Catalog Number	MUB3002P1
Alternative Catalog Number	NMB-MUB3002P1
Manufacturer	NordicMubio
Host	Mouse
Category	Antikörper
Application	FC, ICC, IHC-Fr, IHC-P
Species Reactivity	Human
Product Description	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...
Clonality	Monoclonal
Clone Designation	[Edu-2]
Isotype	IgG2a
UniProt	<a href="#">P01730</a>
Buffer	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.

Source	Edu-2 is a mouse monoclonal IgG2a antibody raised against CD4.
Formula	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.
Application Notes	<p>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/10<sup>6</sup> 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.</p>