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DATA SHEET

CD4

(Cat# 5104-P)

MOUSE MONOCLONAL ANTIBODY ANTI HUMAN CD4, PURIFIED

Clone	EDU-2
Isotype	IgG2a, kappa
Partner of fusion	Mouse myeloma NS1 cells.
Immunogen	Stimulated human leucocytes.
Specificity	This antibody recognizes the CD4 antigen. This 55 kDa cell surface glycoprotein is known to interact with class II MHC proteins and acts as a coreceptor in antigen recognition of peptides associated with MHC II. CD4 is mainly expressed by the T-cell lineage but also by peripheral blood monocytes and tissue macrophages.
Application	Flow cytometry.
Form	Purified immunoglobulin in PBS-BSA 0.1%, pH 7.2, liquid, 1 mL.
Size	0.1 mg
Suggested amount	Quantitative flow cytometry : follow the package insert of CELLQUANT Calibrator kit (BioCytex ref. 7208). For indirect immunofluorescence : use 50 µL of antibody at 10 µg/mL per 10 ⁶ cells in 100 µL sample.
Preservative	Sodium azide < 0.1%.
Storage	As delivered at +2-8°C until expiration date. After opening, aliquote contents and freeze at -20°C. Avoid repeated freezing and thawing.
HLDA Workshop	Leucocyte Typing II.
Reference	Reinherz E.L. <i>et al.</i> , Leucocyte Typing II, Springer-Verlag. 1986.

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