

Technical Data Sheet

Product	<b>Anti-Hu CD4 Pacific Blue™</b>
Cat. Number/Size	<b>PB-816-T100</b> <b>100 tests</b>
	<b>For Research Use Only.</b>
	<b>Not for use in diagnostic or therapeutic procedures.</b>

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Antigen	CD4
Clone	EM4
Format	Pacific Blue™
Reactivity	Human
Application	FC (QC tested)
Application details	Flow cytometry: The reagent is designed for analysis of human blood cells using 4 µl reagent / 100 µl of whole blood or 10 <sup>6</sup> cells in a suspension. The content of a vial (0.4 ml) is sufficient for 100 tests.
Excitation laser	violet (405 nm)
Isotype	Mouse IgG2a
Specificity	The mouse monoclonal antibody EM4 recognizes an extracellular epitope of CD4 antigen, a 55 kDa transmembrane glycoprotein expressed on a subset of T lymphocytes ("helper" T-cells) and also on monocytes, tissue macrophages and granulocytes. This antibody does not block Leu3a and OKT4 binding, and blocks HIV-1 infection in cell to cell system. Very strong flow cytometry staining, brighter than Leu3a, OKT4 and other.
Other names	T4/Leu-3, L3T4
Immunogen	Normal human blood lymphocytes
Entrez Gene ID	920
Gene name	CD4
NCBI Full Gene Name	CD4 molecule
UniProt ID	P01730

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Preparation	Purified antibody is conjugated with Pacific Blue™ NHS ester under optimum conditions and unconjugated antibody and free fluorochrome are removed by size-exclusion chromatography.
Formulation	Stabilizing phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Storage and handling	Store at 2-8°C. Protect from prolonged exposure to light. Do not freeze.

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Images and References [www.exbio.cz](http://www.exbio.cz)

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