

Technical Data Sheet

Product	<b>Anti-Hu CD3 Pacific Blue™</b>	
Cat. Number/Size	<b>PB-514-T025</b>	<b>25 tests</b>
	<b>PB-514-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	CD3
Clone	UCHT1
Format	Pacific Blue™
Reactivity	Non-human primates, 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. Extracellular and intracellular staining.
Excitation laser	violet (405 nm)
Isotype	Mouse IgG1
Specificity	The antibody UCHT1 recognizes an extracellular epitope on CD3 antigen of the TCR/CD3 complex on mature human T cells. The UCHT1 antibody reacts with the epsilon chain of the CD3 complex.
Other names	CD3E, T3E, TCRE
Workshop	HLDA I: WS Code T 3; HLDA III: WS Code T 126; HLDA III: WS Code T 471; HLDA VI: WS Code T 6T-CD3.1
Immunogen	human thymocytes followed by Sezary T cells
Entrez Gene ID	916
Gene name	CD3E
NCBI Full Gene Name	CD3 antigen, epsilon polypeptide
UniProt ID	P07766

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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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