

Technical Data Sheet

Product **Anti-Hu CD274 PE-Cy™7**  
Cat. Number/Size **T7-177-T100** **100 tests**  
**For Research Use Only.**  
**Not for use in diagnostic or therapeutic procedures.**

Antigen	CD274
Clone	29E.2A3
Format	PE-Cy™7
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.
Excitation laser	blue (488 nm)
Isotype	Mouse IgG2b kappa
Specificity	The mouse monoclonal antibody 29E.2A3 recognizes an extracellular epitope of CD274 / PD-L1 (also known as B7-H1), a 40 kDa type I transmembrane protein expressed by dendritic cells, activated T cells, activated monocytes, and in various tissues, above all in heart and skeletal muscle, placenta and lung, and in many cancer cells, including T cell lymphomas, melanomas, and glioblastomas.
Other names	B7H1, PDL1, PDCD1L1, PDCD1LG1, PDCD1 ligand 1, B7-H1
Immunogen	Full length human CD274
Entrez Gene ID	29126
Gene name	CD274
NCBI Full Gene Name	CD274 molecule
UniProt ID	Q9NZQ7

Preparation	Purified antibody is conjugated with activated tandem dye of R-phycoerythrin-cyanine 7 (PE-Cy™7) 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.

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

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