

**PerCP Anti-Human CD45 (2D1) Antibody**  
Catalog # ATB10433**Specification****PerCP Anti-Human CD45 (2D1) Antibody - Product Information**

Application	FC
Isotype	Mouse IgG1, kappa
Concentration	5 µL (0.5 µg)/test
Reactivity	Human
Formulation	10mM NaH <sub>2</sub> PO <sub>4</sub> , 150 mM NaCl, 0.09% Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> , 0.1% gelatin, pH7.2 0.1% gelatin, pH7.2

**PerCP Anti-Human CD45 (2D1) Antibody - Additional Information**

Gene ID	5788
Gene Name	PTPRC
<b>Alternative Name(s)</b>	
Leukocyte Common Antigen, LCA, Ly-5, Hle-1	

**Format**  
PerCP**Storage Conditions**  
2-8°C protected from light**PerCP Anti-Human CD45 (2D1) Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**PerCP Anti-Human CD45 (2D1) Antibody - Images****PerCP Anti-Human CD45 (2D1) Antibody - Background**

The 2D1 antibody reacts with human CD45, one of the most abundant hematopoietic markers and one that is expressed on all leukocytes (the Leukocyte Common Antigen, LCA). CD45 is a protein tyrosine phosphatase existing in several isoforms, each being generated and expressed in cell-specific patterns. With its broad cell distribution, CD45 is critical for many leukocyte functions, regulating signal transduction and cell activation associated with the T cell receptor, B cell receptor, and IL-2 receptor. Other forms of CD45, with restricted cellular expression, include CD45R (B220),

CD45RA, CD45RB, and CD45RO.

The 2D1 antibody is widely used as a marker for human CD45 expression on peripheral blood T cells, B cells, monocytes, macrophages, and NK cells.

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