

### PerCP Anti-Human CD45 (2D1) Antibody

Catalog # ATB10433

## **Specification**

# PerCP Anti-Human CD45 (2D1) Antibody - Product Information

Application FC

Reactivity Human

Formulation 10mM NaH2PO4, 150 mM NaCl, 0.09%

NaN3,0.1%gelatin,pH7.2 0.1% gelatin,

pH7.2

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

Gene ID 5788
Gene Name PTPRC

**Alternative Name(s)** 

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

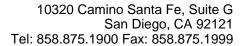
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- 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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