

Purified Anti-Human CD45 (HI30) Antibody
Catalog # ATB10315**Specification**

Purified Anti-Human CD45 (HI30) Antibody - Product Information

Application	WB, IHC-F, FC, ICC, IP
Isotype	Mouse IgG1, kappa
Concentration	0.5 mg/mL
Reactivity	Human
Formulation	10 mM NaH ₂ PO ₄ , 150 mM NaCl, 0.09% Na ₃ N, pH7.2
Host	Mouse

Purified Anti-Human CD45 (HI30) Antibody - Additional Information

Gene ID	5788
Gene Name	PTPRC
Alternative Name(s)	
Leukocyte Common Antigen, LCA, Ly-5	

Format

Purified

Preparation

This monoclonal antibody preparation was purified from tissue culture supernatant via affinity chromatography. For In Vivo Ready™ (IVR) products, each preparation is also evaluated for endotoxin levels using the LAL assay. It is recommended to store the product undiluted at 4°C. Do not freeze.

Application Notes

This purified format is guaranteed to be >90% pure as determined by SDS-PAGE analysis. Citations are provided as a convenience to you - please consult Materials and Methods sections for additional details about the use of any product in these publications.

Storage Conditions

2-8°C

Purified Anti-Human CD45 (HI30) 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](#)

Purified Anti-Human CD45 (HI30) Antibody - Images

Purified Anti-Human CD45 (HI30) Antibody - Background

The HI30 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, CD45RO and others. The HI30 antibody is widely used as a marker for human CD45 expression on T cells, B cells, monocytes, macrophages, and NK cells.