

APC-Cy7 Anti-Mouse CD45.2 (104) Antibody
Catalog # ATB10069**Specification**

APC-Cy7 Anti-Mouse CD45.2 (104) Antibody - Product Information

Application	FC
Isotype	Mouse IgG2a, kappa
Concentration	0.2 mg/mL
Reactivity	Mouse
Formulation	10 mM NaH ₂ PO ₄ , 150 mM NaCl, 0.09% Na ₃ N, 0.1% gelatin, pH7.2
Host	Mouse

APC-Cy7 Anti-Mouse CD45.2 (104) Antibody - Additional Information

Gene ID	19264
Alternative Name(s)	
Ly5.2	

Format
APC-Cy7**Preparation**

This monoclonal antibody was purified from tissue culture supernatant via affinity chromatography. The purified antibody was conjugated under optimal conditions, with unreacted dye removed from the preparation. It is recommended to store the product undiluted at 4°C, and protected from prolonged exposure to light. Do not freeze.

Application Notes

This antibody preparation has been quality-tested for flow cytometry using mouse spleen cells, or an appropriate cell type (where indicated). The amount of antibody required for optimal staining of a cell sample should be determined empirically in your system.

Storage Conditions

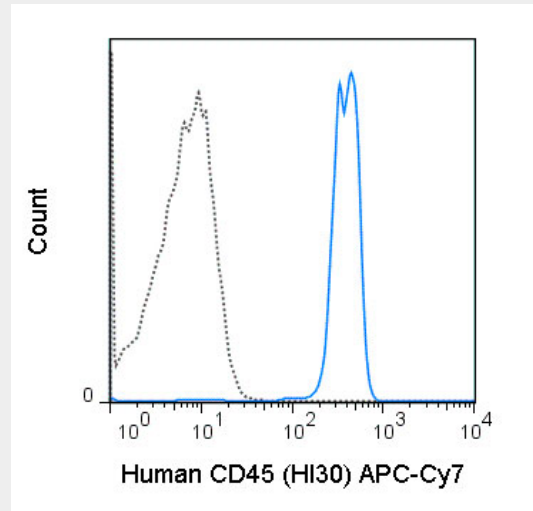
2-8°C protected from light

APC-Cy7 Anti-Mouse CD45.2 (104) 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](#)

APC-Cy7 Anti-Mouse CD45.2 (104) Antibody - Images



C57Bl/6 splenocytes were stained with 0.5 ug APC-Cy7 Anti-Mouse CD45.2 (ATB10069) (solid line) or 0.5 ug APC-Cy7 Mouse IgG2a isotype control (dashed line).

APC-Cy7 Anti-Mouse CD45.2 (104) Antibody - Background

The 104 antibody reacts with mouse CD45.2, also known as Ly5.2, which is a strain-specific allelic form of the CD45 Leukocyte Common Antigen (LCA). Functionally, CD45 is a protein tyrosine phosphatase whose broad cell distribution supports a critical role in many leukocyte functions, including regulation of signal transduction and cell activation associated with the T cell and B cell receptors. The 104 antibody is typically used as a leukocyte marker in Ly5.2 mouse strains C57BL/6, BALB/c, C58, DBA/1, DBA/2, C3H/He, CBA, 129, A and AKR. The antibody has been demonstrated to specific for CD45.2 and is not cross-reactive with CD45.1-bearing cells.