SONY

Product Data Sheet

APC/Cyanine7 anti-mouse CD45

Catalog # / Size: 1338590 / 100 µg
1338585 / 25 µg

Clone: I3/2.3

Isotype: Rat IgG2b

Immunogen: Mouse lymphoma cell line

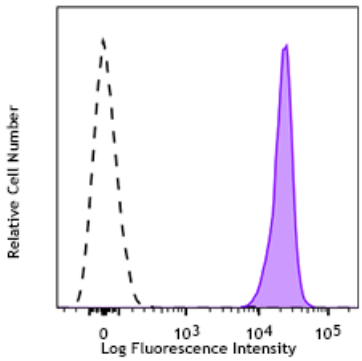
Reactivity: Mouse

Preparation: The antibody was purified by affinity chromatography and conjugated with APC/Cyanine7 under optimal conditions.

Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide

Workshop Number: 750 under optimal conditions.

Concentration: 0.2



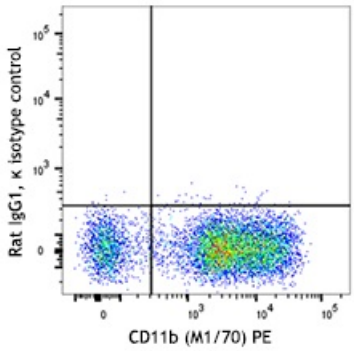
C57BL/6 splenocytes were stained with anti-mouse CD45 (clone I3/2.3) APC/Cyanine7 (filled histogram), or rat IgG2b APC/Cyanine7 isotype control (open histogram).

Applications:

Applications: Flow Cytometry

Recommended Usage: Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is ≤ 0.25 µg per million cells in 100 µL volume. It is recommended tha

Application Notes: Additional reported applications (for the relevant formats) include: immunohistochemical staining of paraffin embedded sections1 and frozen tissue sections2.



C57BL/6 mouse bone marrow cells were stained with CD150 (SLAM) (clone TC15-12F12.2) APC/Fire™ 750 (filled histogram) or rat IgG2a, κ APC/Fire™ 750 isotype control (open histogram).

Application References:

1. Kliment C, *et al.* 2009. *J. Mol. Cell Cardiol.* 47:730. (IHC)
2. Reynolds JM, *et al.* 2007. *J. Immunol.* 179:313. (IHC)

Description: CD45 is a 180-240 kD glycoprotein also known as the leukocyte common antigen (LCA), T200, or Ly-5. It is a member of the protein tyrosine phosphatase (PTP) family, expressed on all hematopoietic cells except mature erythrocytes and platelets. There are

Antigen References:

1. Barclay A, *et al.* 1997. The Leukocyte Antigen FactsBook Academic Press.
2. Trowbridge IS and Thomas ML. 1994. Annu. Rev. Immunol. 12:85.
3. Kishihara K, *et al.* 1993. *Cell* 74:143.
4. Pulido R, *et al.* 1988. *J. Immunol.* 140:3851.

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