

PE anti-mouse CD133

Catalog # / Size: 141203 / 25 µg
141204 / 100 µg

Clone: 315-2C11

Isotype: Rat IgG2a, λ

Immunogen: CFA

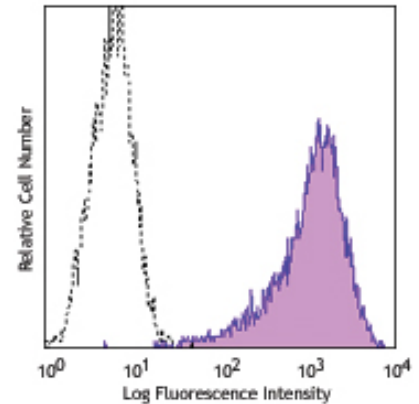
Reactivity: Mouse

Preparation: The antibody was purified by affinity chromatography and conjugated with PE under optimal conditions. The solution is free of unconjugated PE and unconjugated antibody.

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

Concentration: 0.2 mg/ml

Storage: The antibody solution should be stored undiluted at 4°C and protected from prolonged exposure to light. **Do not freeze.**



Mouse CD133 transfected RBL-2H3 cells were stained with CD133 (clone 315-2C11) PE (filled histogram) or rat IgG2a, λ PE isotype control (open histogram).

Applications:

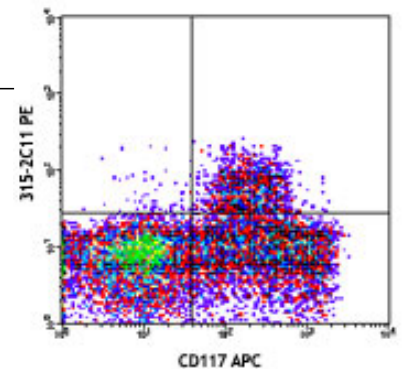
Applications: FC - Quality tested

Recommended Usage: Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For immunofluorescent staining, the suggested use of this reagent is ≤1.0 µg per million cells in 100 µl volume. It is recommended that the reagent be titrated for optimal performance for each application.

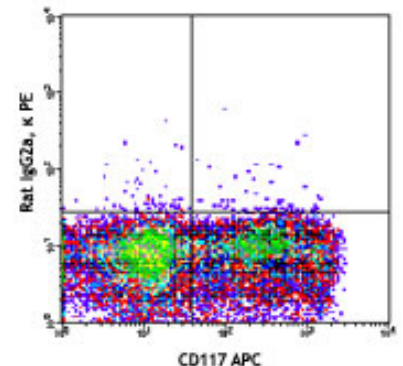
Description: CD133 (also known as Prominin-1 or AC133) is a 120 kD pentaspan glycoprotein with 5 transmembrane domains which localize to cellular protrusions. CD133 was initially described as a surface antigen specific for human hematopoietic stem cells and as a marker for murine neuroepithelial cells and some embryonic epithelia. Later on, CD133 was found on other stem cells including endothelial progenitor cells, glioblastomas, neuronal, and glial stem cells. In addition to hematopoietic stem cells, CD133 was found on cancer cells, such as some leukemia cells and brain tumors cells. It also has been detected at low levels in the kidney, pancreas, placenta, and fetal liver tissue. Although the biological function of CD133 is not conclusive, CD133 has been extensively used as a stem cell marker for normal and cancerous tissues.

- Antigen References:**
1. Singh SK, *et al.* 2004. *Nature* 18:396.
 2. Falini B, *et al.* 2005. *New Engl. J. Med.* 352:254.
 3. Bonanno G, *et al.* 2004. *Transfusion* 44:1087.
 4. Gaipa G, *et al.* 2002. *Haematologica* 87:347.
 5. Wuchter C, *et al.* 2001. *Haematologica* 86:154.

| Related Products: | Product | Clone | Application |
|-------------------|------------------------------------|---------|---------------|
| | Cell Staining Buffer | | FC, ICC, ICFC |
| | RBC Lysis Buffer (10X) | | FC, ICFC |
| | PE Rat IgG2a, κ Isotype Ctrl | RTK2758 | FC, ICFC |
| | TruStain fcX™ (anti-mouse CD16/32) | 93 | FC |



C57BL/6 mouse bone marrow cells were stained with FITC-conjugated Ly-6G, CD3 and B220, CD117 APC and CD133 (clone 315-2C11) PE (middle) or rat IgG2a, κ PE (bottom) isotype control. Data was gated on Ly-6G/CD3/B220 negative cell population.



For research use only. Not for diagnostic use. Not for resale. BioLegend will not be held responsible for patent infringement or other violations that may occur with the use of our products.



*These products may be covered by one or more Limited Use Label Licenses (see the BioLegend Catalog or our website, www.biolegend.com/ordering#license). BioLegend products may not be transferred to third parties, resold, modified for resale, or used to manufacture commercial products or to provide a service to third parties without written approval of BioLegend. By use of these products you accept the terms and conditions of all applicable Limited Use Label Licenses. Unless otherwise indicated, these products are for research use only and are not intended for human or animal diagnostic, therapeutic or commercial use.