Leader in Biomolecular Solutions for Life Science

PE Rabbit anti-Mouse CD133 mAb

Catalog No.: A30029

Recombinant

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Basic Information

Observed MW

Calculated MW

Category
Monoclonal Antibodies

Applications
FC

Cross Reactivity
Mouse

Clone No.
ARC83654

Background

Predicted to enable actinin binding activity and cadherin binding activity. Involved in camera-type eye photoreceptor cell differentiation and retina layer formation. Located in several cellular components, including brush border; photoreceptor outer segment; and prominosome. Is expressed in several structures, including brain; eye; genitourinary system; intestine; and neural ectoderm. Used to study retinitis pigmentosa 41. Human ortholog(s) of this gene implicated in cone-rod dystrophy 12; retinal macular dystrophy 2; and retinitis pigmentosa 41. Orthologous to human PROM1 (prominin 1).

Recommended Dilutions

FC
≤1 μg per million cells in 100 μl volume

Immunogen Information

Gene ID
19126

Swiss-Prot
O54990

Immunogen
Recombinant protein (or fragment).This information is considered to be commercially sensitive.

Synonyms
4932416E19Rik; AC133; CD133; Prom; Prom-1; Proml1

Contact

400-999-6126

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Product Information

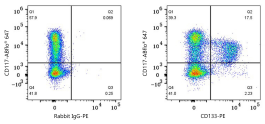
Source
Rabbit

Isotype
IgG

Purity
Affinity purification

Storage
Store at 2-8℃. Avoid freeze / thaw cycles.
Buffer: PBS with 0.09% Sodium azide,0.2% BSA,pH7.3.

Validation Data



Flow cytometry: 1X10^6 C57BL/6 mouse bone marrow cells were surface-stained with ABflo® 488 Rat anti-Mouse CD3 mAb (A27161,5 µl/Test), ABflo® 488 Rat anti-Mouse Ly-6G/Ly-6C(Gr-1) mAb (A26901,5 µl/Test), FITC anti-Mouse TER-119 mAb (A25656,0.5 µg), ABflo® 488 anti-Mouse/Human CD45R/B220 mAb (A27571,5 µl /Test), ABflo® 647 Rabbit anti-Mouse CD117/c-Kit mAb (A23582,5 µl/Test) and PE Rabbit IgG isotype control (A24172,5 µl/Test,left) or PE Rabbit anti-Mouse CD133 mAb (A30029,1 µg,right). Cells in the CD3- Gr-1-TER-119-CD45R/B220- gate were used for analysis.

For research use only. Not for therapeutic or diagnostic purposes.
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