OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for TA813576M

CD133 (PROM1) Mouse Monoclonal Antibody [Clone ID: OTI5D5]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI5D5
Applications:	FC, WB
Recommended Dilution:	WB 1:1000, FLOW 1:100
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human PROM1 (NP_006008) produced in HEK293T cell.
Formulation:	PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration:	1 mg/ml
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Shipped at -20°C or with ice packs, Upon delivery store at -20°C. Dilute in PBS(pH7.3) if necessary. Stable for 12 months from date of receipt. Avoid repeated freeze-thaws.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	97 kDa
Gene Name:	prominin 1
Database Link:	NP_006008 Entrez Gene 8842 Human O43490

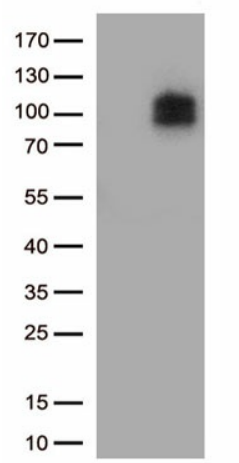
View online »

Background: This gene encodes a pentaspan transmembrane glycoprotein. The protein localizes to membrane protrusions and is often expressed on adult stem cells, where it is thought to function in maintaining stem cell properties by suppressing differentiation. Mutations in this gene have been shown to result in retinitis pigmentosa and Stargardt disease. Expression of this gene is also associated with several types of cancer. This gene is expressed from at least five alternative promoters that are expressed in a tissue-dependent manner. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Mar 2009].

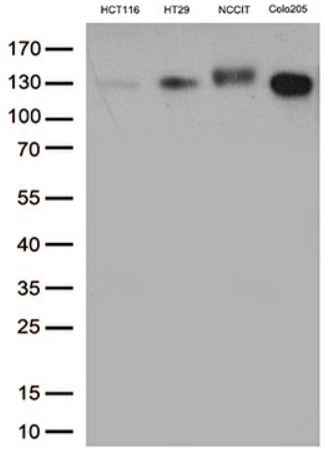
Synonyms: AC133; CD133; CORD12; MCDR2; MSTP061; PROML1; RP41; STGD4

Protein Families: Druggable Genome, ES Cell Differentiation/IPS, Transmembrane

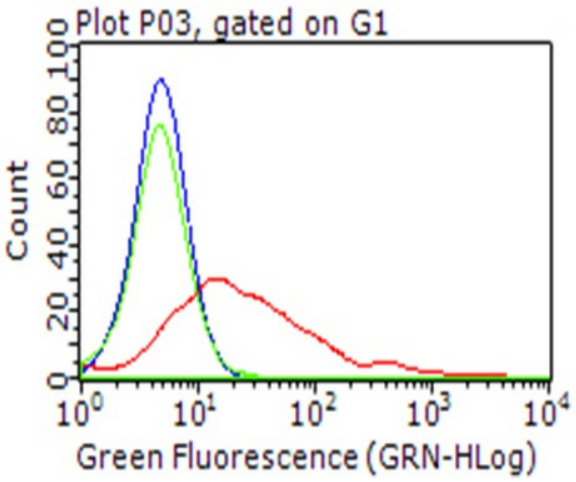
Product images:



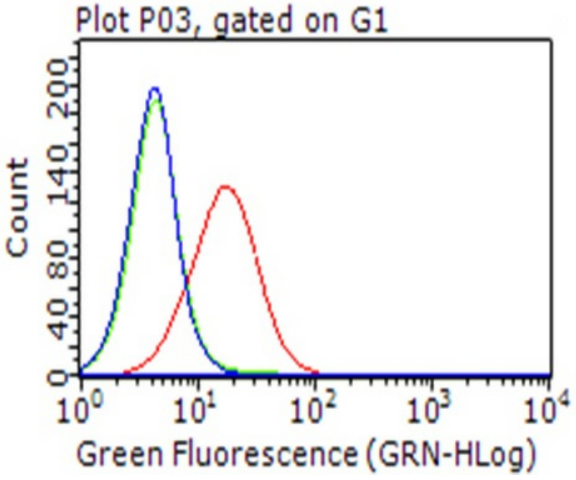
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY PROM1 ([RC221611], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-PROM1.(1:1000)



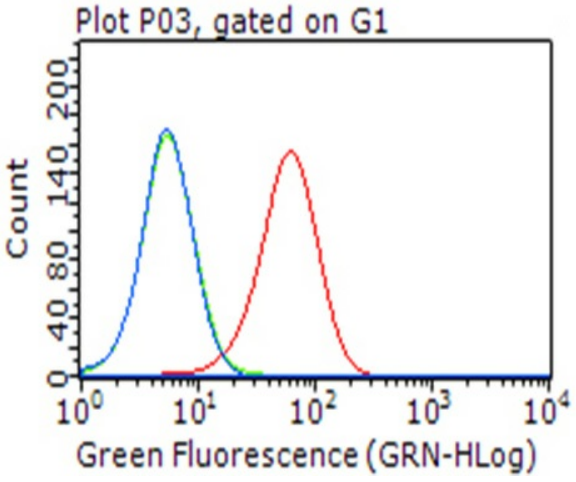
Western blot analysis of extracts (35ug) from 4 cell lines lysates by using anti-PROM1 monoclonal antibody. (1:1000)



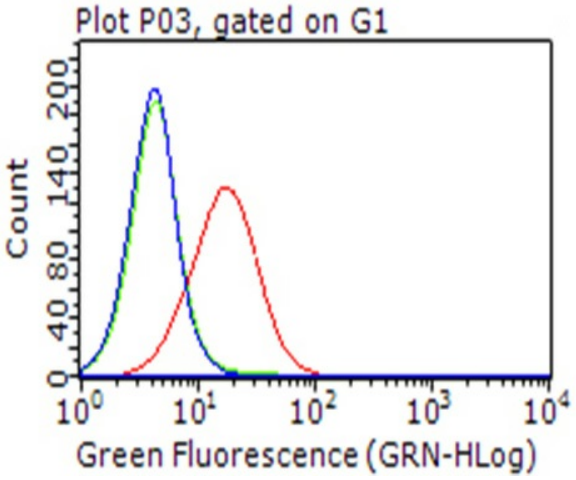
Flow cytometric analysis of living 293T cells transfected with PROM1 overexpression plasmid ([RC221611]), Red)/empty vector ([PS100001], Blue) using anti-PROM1 antibody ([TA813576]). Cells incubated with a non-specific antibody (Green) were used as isotype control.□1□100□



Flow cytometric analysis of living HT29 cells, using anti-PROM1 antibody([TA813576], Red), compared to an isotype control (green), and a PBS control (blue).(1:100)



Flow cytometric analysis of living HCT116 cells, using anti-PROM1 antibody([TA813576], Red), compared to an isotype control (green), and a PBS control (blue).(1:100)



Flow cytometric analysis of living NCCIT cells, using anti-PROM1 antibody([TA813576], Red), compared to an isotype control (green), and a PBS control (blue).(1:100)