Product Datasheet

CD133 Rabbit Polyclonal Antibody (orb526485)

Catalog Number	orb526485
Category	Antibodies
Description	CD133 Rabbit Polyclonal Antibody
Target	PROM1
Clonality	Polyclonal
Species/Host	Rabbit
Isotype	IgG
Conjugation	Unconjugated
Reactivity	Human, Mouse
Predicted Reactivity	Rat
Form/Appearance	Liquid
Concentration	1mg/ml
Buffer/Preservatives	0.01M TBS (pH7.4) with 1% rAlbumin, 0.02% Proclin300 and 50% Glycerol.
Purification	Affinity purified by Protein A
Immunogen	KLH conjugated synthetic peptide derived from human CD133 (508-552/865aa)
UniProt ID	O43490
MW	95 kDa
Tested applications	FC, WB

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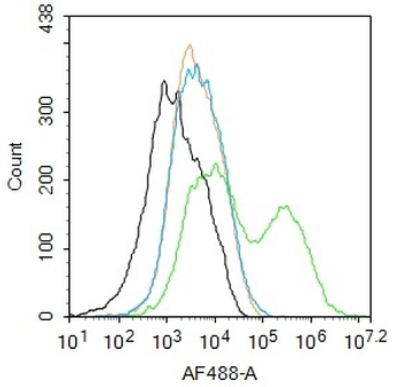
Dilution range	WB=1:500-2000, Flow-Cyt=1µg/Test
Antibody Type	Primary Antibody
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Note	For research use only
Expiration Date	12 months from date of receipt.

Sample: SP2/0 Cell (Mouse) Lysate at 40 ug, Colon carcinoma (Human) Lysate at 40 ug, Primary: Anti-CD133 (orb526485) at 1/300 dilution, Secondary: HRP conjugated Goat-Anti-rabbit IgG (orb572747) at 1/5000 dilution, Predicted band size: 95 kD, Observed band size: 95/120 kD.



Blank control: Mouse kidney. Primary Antibody (green line): Rabbit Anti-CD133 antibody (orb526485), dilution: 2 µg/10^6 cells, Isotype Control Antibody (orange line): Rabbit IgG. Secondary Antibody: Goat anti-rabbit IgG-AF488, dilution: 1 µg/Test. Protocol, The cells were incubated in 5% BSA to block non-specific protein-protein interactions for 30 min at room temperature. Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20000 events was performed.

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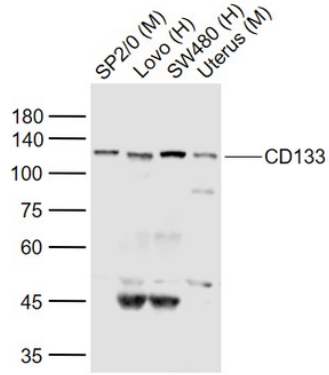
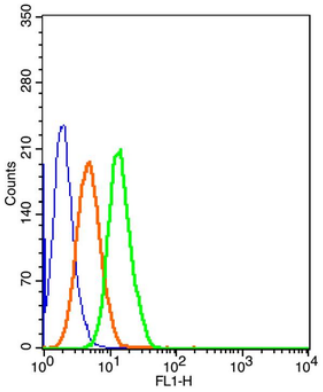
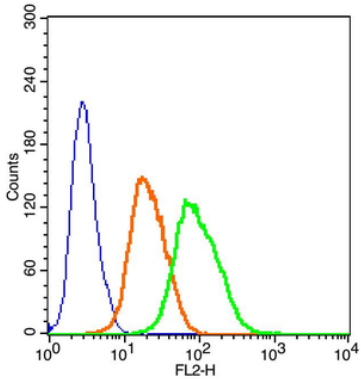


Sample: Lane 1: SP2/0 (Mouse) Cell Lysate at 30 ug Lane 2: Lovo (Human) Cell Lysate at 30 ug Lane 3: SW480 (Human) Cell Lysate at 30 ug Lane 4: Uterus (Mouse) Lysate at 40 ug Primary: Anti-CD133 (orb526485) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 110 kD Observed band size: 115 kD.



The blue histogram is unstained cells (HepG 2). The Orange histogram is cells stained with Rabbit IgG/FITC (orb525556), The green histogram is cells stained with Rabbit Anti-CD133/FITC Conjugated antibody. Isotype control: Cell lines treated with Rabbit IgG/FITC (orb525556) instead of the primary antibody to confirm that primary antibody binding is 2 µg/5 µg/1 µg in 100 µl 1X PBS containing 0.5% BSA.



The blue histogram is unstained cells (HepG 2). The Orange histogram is cells stained with Rabbit IgG/PE, The green histogram is cells stained with Rabbit Anti-CD133/PE Conjugated antibody. Isotype control: Cell lines treated with Rabbit IgG/PE instead of the primary antibody to confirm that primary antibody binding is specific. 2 µg/5 µg/10 µg in 100 µl 1X PBS containing 0.5% BSA.

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