

Product Datasheet

CD133 Rabbit Polyclonal Antibody (orb526485)

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|-----------------------------|---|
| 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 | 120 kDa |
| Tested applications | FC, WB |

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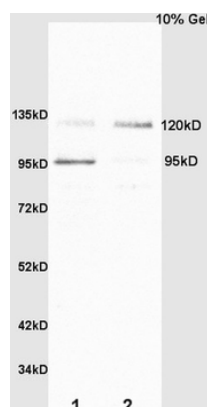
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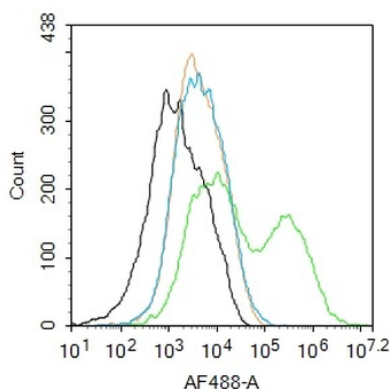
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| | |
|------------------------|---|
| Dilution range | WB=1:500-2000, Flow-Cyt=1µg/Test |
| Antibody Type | Primary Antibody |
| Storage | Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to 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/10⁶ 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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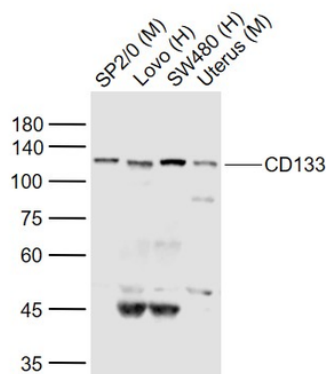
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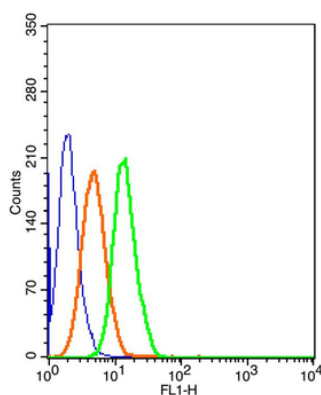
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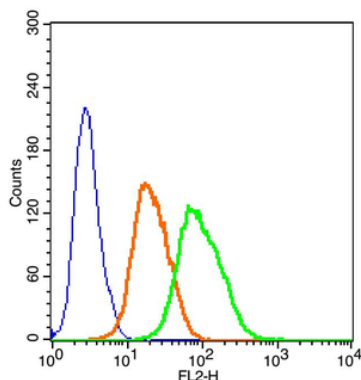
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Sample: Lane 1: SP2/0 (Mouse) Cell Lysate at 30 ug Lane 2: Lovo (Human) Cell Lysate at 30 ug Lane 3: SW480 (Human) Cell Lysate at 30 ug Lane 4: Uterus (Mouse) Lysate at 40 ug
 Primary: Anti-CD133 (orb526485) at 1/300 dilution Secondary: IRDye800CW 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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