

## Product Datasheet

### CD31 Antibody (C-term) (orb1929230)

<b>Catalog Number</b>	orb1929230
<b>Category</b>	Antibodies
<b>Description</b>	Purified Rabbit Polyclonal Antibody (Pab)
<b>Target</b>	PECAM1
<b>Clonality</b>	Polyclonal
<b>Species/Host</b>	Rabbit
<b>Isotype</b>	Rabbit IgG
<b>Conjugation</b>	Unconjugated
<b>Reactivity</b>	Human
<b>Form/Appearance</b>	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
<b>Immunogen</b>	This CD31 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 690-718 amino acids from the C-terminal region of human CD31. Antigen Region: 690-718 aa.
<b>UniProt ID</b>	<b>P16284</b>
<b>MW</b>	82522 Da
<b>Tested applications</b>	FC, WB
<b>Dilution range</b>	WB - 1:2000, FC - 1:25
<b>Clone Number</b>	RB17999

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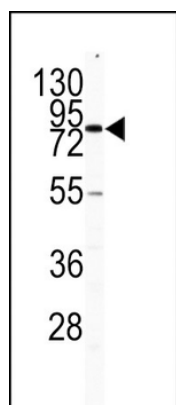
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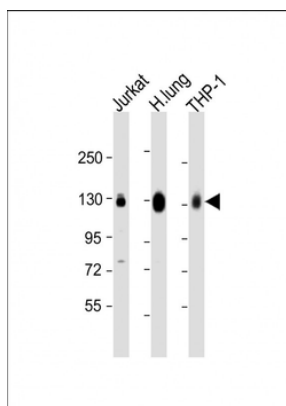
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<b>Storage</b>	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles
<b>Note</b>	For research use only
<b>NCBI</b>	<a href="#">NP_000433.4</a>
<b>Expiration Date</b>	12 months from date of receipt.



Western blot analysis of CD31 antibody (C-term) in HL60 cell line lysates (35 ug/lane). CD31 (arrow) was detected using the purified Pab.



All lanes: Anti-CD31 Antibody (C-term) at 1:2000 dilution. Lane 1: Jurkat whole cell lysate. Lane 2: human lung lysate. Lane 3: THP-1 whole cell lysate. Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size: 83 kDa. Blocking/Dilution buffer: 5% NFDM/TBST.

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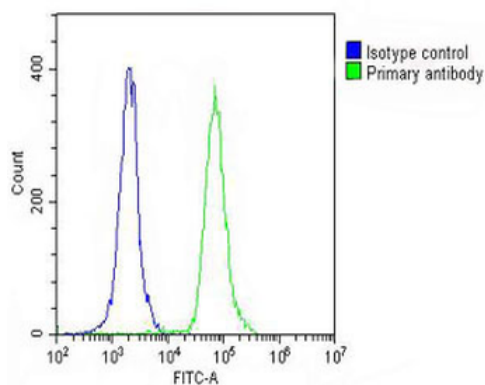
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Overlay histogram showing THP-1 cells stained (green line). The cells were fixed with 2% paraformaldehyde (10 min). The cells were then incubated in 2% bovine serum albumin to block non-specific protein-protein interactions followed by the antibody (1:25 dilution) for 60 min at 37°C. The secondary antibody used was Goat-Anti-Rabbit IgG, DyLight 488 Conjugated Highly Cross-Adsorbed at 1/200 dilution for 40 min at 37°C. Isotype control antibody (blue line) was rabbit IgG (1 µg/1x10<sup>6</sup> cells) used under the same conditions. Acquisition of > 10000 events was performed.

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