

Product Datasheet

Anti-CD31/Pecam1 Antibody Picoband (orb623815)

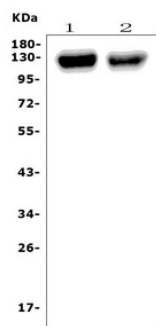
Description	Anti-CD31/Pecam1 Antibody. Tested in ELISA, Flow Cytometry, WB applications. This antibody reacts with Mouse, Rat.
Species/Host	Rabbit
Reactivity	Mouse, Rat
Conjugation	Unconjugated
Tested Applications	ELISA, FC, WB
Immunogen	E.coli-derived mouse CD31/Pecam1 recombinant protein (Position: Q41-E258).
Form/Appearance	Lyophilized
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 µg/ml.
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
Application notes	Western blot, 0.1-0.25µg/ml, Mouse, Rat Flow Cytometry (Fixed), 1-3µg/1x10 ⁶ cells, Mouse ELISA, 0.1-0.5µg/ml, -. Add 0.2ml of distilled water will yield a concentration of 500ug/ml
Isotype	Rabbit IgG
Clonality	Polyclonal
MW	120-130 kDa
Uniprot ID	Q08481
Expiration Date	12 months from date of receipt.

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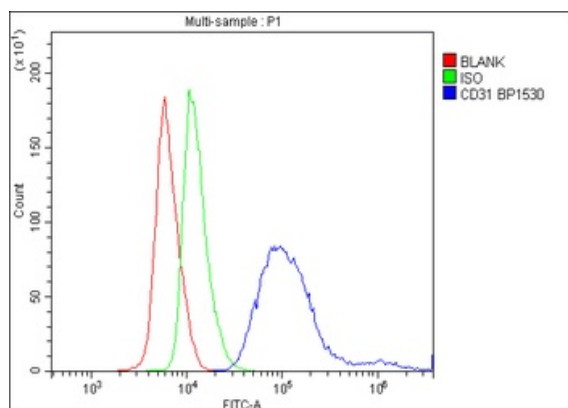
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Western blot analysis of Pecam1 using anti-Pecam1 antibody (orb623815). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel)/90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 50ug of sample under reducing conditions. Lane 1: rat lung tissue lysates, Lane 2: mouse lung tissue lysates. After Electrophoresis, proteins were transferred to a Nitrocellulose membrane at 150mA for 50-90 minutes. Blocked the membrane with 5% Non-fat Milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-Pecam1 antigen affinity purified polyclonal antibody (Catalog # orb623815) at 0.25 $\mu\text{g}/\text{mL}$ overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # orb90503) with Tanon 5200 system. A specific band was detected for Pecam1 at approximately 120-130KD. The expected band size for Pecam1 is at 82KD.



Flow Cytometry analysis of mouse spleen cells using anti-Pecam1 antibody (orb623815). Overlay histogram showing mouse spleen cells stained with orb623815 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-Pecam1 Antibody (orb623815, 1 $\mu\text{g}/1\times 10^6$ cells) for 30 min at 20°C. DyLight®488 conjugated goat anti-rabbit IgG (5-10 $\mu\text{g}/1\times 10^6$ cells) was used as secondary antibody for 30 minutes at 20°C. Isotype control antibody (Green line) was rabbit IgG (1 $\mu\text{g}/1\times 10^6$) used under the same conditions. Unlabelled sample (Red line) was also used as a control.

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