

Datasheet for ABIN5532859
anti-CD31 antibody (C-Term)



[Go to Product page](#)

3 Images

Overview

Quantity:	400 µL
Target:	CD31 (PECAM1)
Binding Specificity:	AA 690-718, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CD31 antibody is un-conjugated
Application:	Flow Cytometry (FACS), Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	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.
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	CD31 (PECAM1)
Alternative Name:	CD31 (PECAM1 Products)
Background:	CD31 is a cell adhesion molecule expressed on platelets and at endothelial cell intercellular junctions.

Target Details

Molecular Weight:	83 kDa
Gene ID:	5175
UniProt:	P16284
Pathways:	Regulation of Actin Filament Polymerization

Application Details

Application Notes:	For FACS starting dilution is: 1:25 For WB starting dilution is: 1:1000 For IHC-P starting dilution is: 1:10~50
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.5 mg/mL
Buffer:	Supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

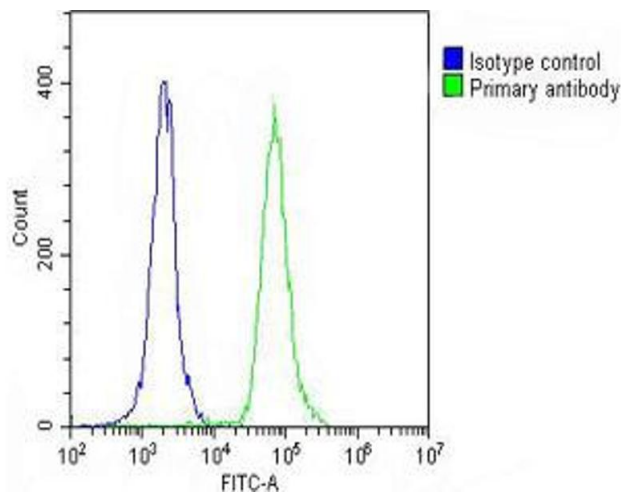
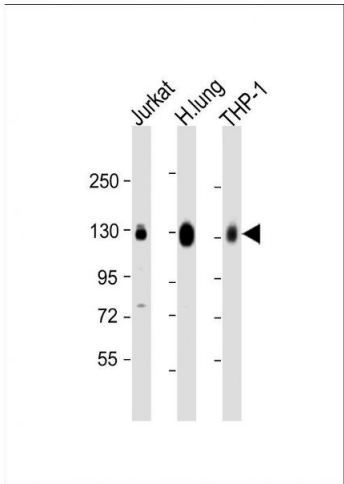
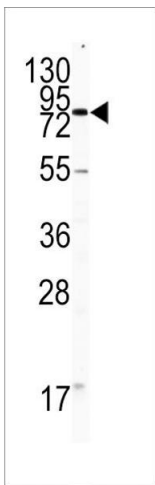


Image 1. Overlay histogram showing THP-1 cells stained with Antibody (green line). The cells were fixed with 2% paraformaldehyde (10 min). The cells were then incubated in 2% bovine serum albumin to block non-specific protein-protein interactions followed by the antibody (1:25 dilution) for 60 min at 37°C. The secondary antibody used was Goat-Anti-Rabbit IgG, DyLight 488 Conjugated Highly Cross-Adsorbed(OH191631) at 1/200 dilution for 40 min at 37°C. Isotype control antibody (blue line) was rabbit IgG (1ug/1x10⁶ cells) used under the same conditions. Acquisition of >10,000 events was performed.



Western Blotting

Image 2. Western Blot 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 ug per lane.



Western Blotting

Image 3. Western blot analysis of CD31 antibody in HL60 cell line lysates (35ug/lane)