



Order: (888)- 282-5810 (Phone)
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CD31 (vPair™) Antibodies

Cat#: M0006-vp

Lot#: Refer to vial

Predicted M.W.: 83 kDa

Uniprot ID: Q08481

Application: WB

Quantity: 50 ul CD31 (M) (M0006-1a, mouse IgG2b) Mouse Monoclonal Antibody &
50 ul CD31 (C) (M0006-2, mouse IgG1) Mouse Monoclonal Antibody

Product Introduction:

vPair™ antibodies represent a pair of fully characterized antibodies that recognize two different regions of a target protein. The product is developed by Abiocode to address whether the signal observed truly represents the protein of interest, an often encountered issue in antibody-based assays. The use of a pair of fully characterized vPair™ antibodies in the same assay can validate signal specificity since vPair™ antibodies recognize two independent epitopes of the same protein. Different sets of vPair™ antibodies are developed at Abiocode to work with specific applications, including antibody arrays, Western blot, IP-Western, ChIP, IHC, and FACS.

Background:

CD31 is also known as Platelet/endothelial cell adhesion molecule (PECAM1), which is a cell adhesion molecule found on the surface of platelets, monocytes, neutrophils and certain T-cells. It is required for leukocyte transendothelial migration and is likely involved in angiogenesis and integrin activation. CD31 prevents phagocyte ingestion of viable cells by transmitting a 'detachment' signal. It also promotes attachment of dying cells to phagocytes. During apoptosis, the inside-out signaling of CD31 is disabled so that the apoptotic cells do not actively reject the phagocyte.

Other Names:

RP23-247J12.1, C85791, MGC102160, PECAM-1, Pecam

Source and Purity:

Mouse monoclonal antibodies were produced by immunizing animals with a GST-fusion protein containing either the middle region [CD31 (M) (M0006-1a)] or the C-terminal region [CD31 (C) (M0006-2)] of mouse CD31. Antibodies were purified by Caprylic Acid- Ammonium Sulfate precipitation.

Storage Buffer and Condition:

Supplied in 1 x PBS (pH 7.4), 40% Glycerol, 0.02% Thimerosal. Store at -20 °C. Stable for at least 6 months from date of receipt.

Species Specificity:

Human, mouse

Tested Applications:

WB: 1:1,000-1:5,000 (detect endogenous protein*)

*: The apparent protein size on WB may be different from the calculated M.W. due to modifications.

Product Data:

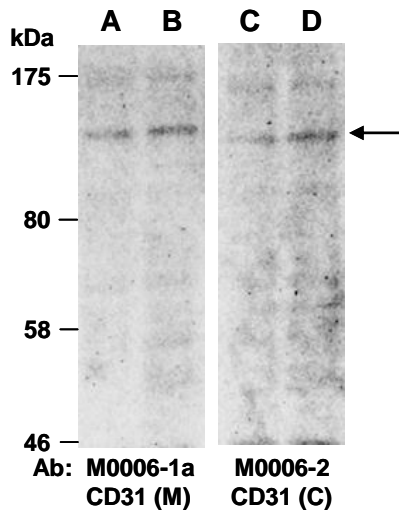


Fig 1. Western blot of total cell extracts from (A&C) human A431, (B&D) human Jurkat, using indicated Abs at RT for 2 h.