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CD31 (M) Antibody, Mouse Monoclonal

Cat#: M0006-1a

Quantity: 100 ul

Predicted M.W.: 83 kDa

Isotype: mouse IgG2b

Lot#: Refer to vial

Application: WB

Uniprot ID: Q08481

Clone: 5G7

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 the middle region 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:

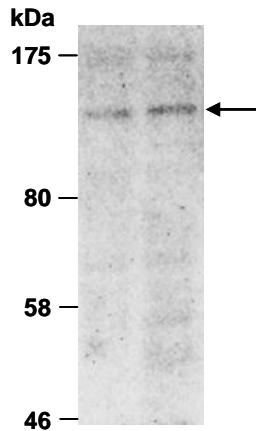


Fig 1. Western blot of total cell extracts from (A) human A431, (B) human Jurkat, using Ab (M0006-1a) at RT for 2 h.