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10-7529: Monoclonal Antibody to CD31 (Clone: ABM3E63)

Clonality :	Monoclonal
Clone Name :	ABM3E63
Application :	IHC,FACS
Reactivity :	Human
Gene :	PECAM1
Gene ID :	5175
Uniprot ID :	P16284
Format :	Purified
Alternative Name :	PECAM1
Isotype :	Mouse IgG1 Kappa
Immunogen Information :	Human spleen membranes from a patient with hairy cell leukemia was used as immunogen to generate the CD31 (PECAM-1) antibody.

Description

CD31 (PECAM-1) is a transmembrane glycoprotein member of the immunoglobulin supergene family of adhesion molecules, and plays key roles in leukocyte migration, angiogenesis, and integrin activation. CD31 is expressed on endothelial and hematopoeitic (platelets, monocytes, macrophages, granulocytes, T and B lymphocytes, dendritic, bone marrow stem and adult) cells.

Product Info

Amount :	25 µg / 100 µg
Purification :	Protein G Chromatography
Content :	25 µg in 50 µl/100 µg in 200 µl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly toxic.
Storage condition :	Store the antibody at 4°C; stable for 6 months. For long-term storage; store at -20°C. Avoid repeated freeze and thaw cycles.

Application Note

Immunohistochemical analysis: 1:25-1:100

FACS: 0.5µg/10^6 cells

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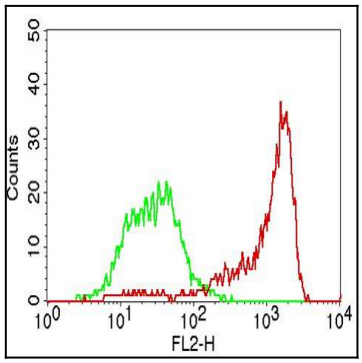

Fig.1: FLOW Cytometry analysis of CD31 in human PBMC using 0.5µg antibody per 10^6 cells. Green represents isotope control. Red represents anti-CD31 antibody (Clone: ABM3E63). Goat anti-mouse IgG conjugated with PE was used as secondary antibody.

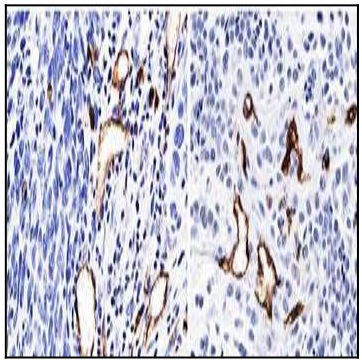

Fig: 2 Immunohistochemical analysis of CD31 in human lung squamous cell carcinoma (left) and bladder transitional cell carcinoma (right) using CD31 antibody (Clone: ABM3E63) at 1: 200 dilution.

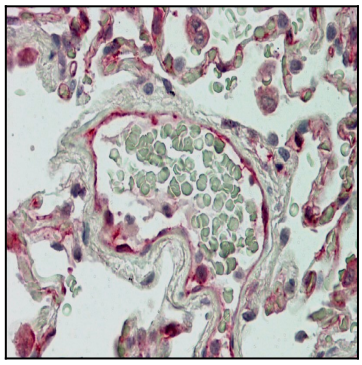

Fig: 3 Immunohistochemical analysis of CD31 in human Lung tissue using CD31 antibody (Clone: ABM3E63) at 10 µg/ml.