

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

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	ABM3E63
<b>Application :</b>	IHC,FACS
<b>Reactivity :</b>	Human
<b>Gene :</b>	PECAM1
<b>Gene ID :</b>	5175
<b>Uniprot ID :</b>	P16284
<b>Format :</b>	Purified
<b>Alternative Name :</b>	PECAM1
<b>Isotype :</b>	Mouse IgG1 Kappa
<b>Immunogen Information :</b>	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 hematopoietic (platelets, monocytes, macrophages, granulocytes, T and B lymphocytes, dendritic, bone marrow stem and adult) cells.

### Product Info

<b>Amount :</b>	CD31 / 100 µg
<b>Purification :</b>	Protein G Chromatography
<b>Content :</b>	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.
<b>Storage condition :</b>	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<sup>6</sup> cells

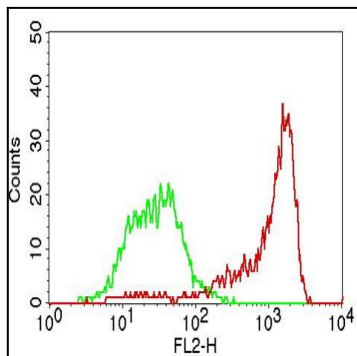


Fig.1: FLOW Cytometry analysis of CD31 in human PBMC using 0.5 $\mu$ g antibody per 10<sup>6</sup> cells. Green represents isotope control. Red represents anti-CD31 antibody (Clone: ABM3E63). Goat anti-mouse IgG conjugated with PE was used as secondary antibody.

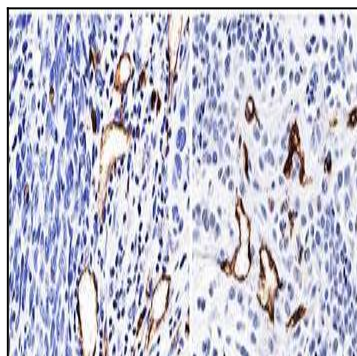


Fig: 2 Immunohistochemical analysis of CD31 in human lung squamous cell carcinoma (left) and bladder transitional cell carcinoma (right) using CD31 antibody (Clone: ABM3E63) at 1:200 dilution.

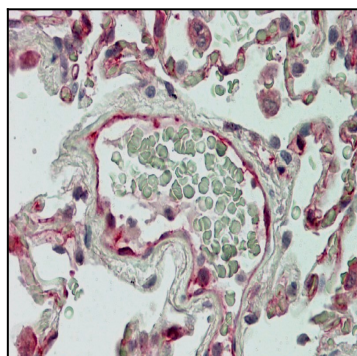


Fig: 3 Immunohistochemical analysis of CD31 in human Lung tissue using CD31 antibody (Clone: ABM3E63) at 10  $\mu$ g/ml.