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# 36-2919: Anti-CD31 / PECAM-1 (Endothelial Cell Marker) Monoclonal Antibody(Clone: JC/70A)-PE

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|---|---|
| **Clonality :** | Monoclonal |
| **Clone Name :** | JC/70A |
| **Application :** | FACS,IF |
| **Reactivity :** | Human |
| **Conjugate :** | PE |
| **Gene :** | PECAM1 |
| **Gene ID :** | 5175 |
| **Uniprot ID :** | P16284 |
| **Alternative Name :** | EndoCAM; PECA1; Platelet Endothelial Cell Adhesion Molecule 1; GPIIA' |
| **Isotype :** | Mouse IgG1, kappa |
| **Immunogen Information :** | Membrane preparation of a spleen from a patient with hairy cell leukemia |

## Description

CD31 (PECAM-1) is a transmembrane glycoprotein member of the immunoglobulin supergene family of adhesion molecules. CD31 is expressed by stem cells of the hematopoietic system and is primarily used to identify and concentrate these cells for experimental studies as well as for bone marrow transplantation. Anti-CD31 has shown to be highly specific and sensitive for vascular endothelial cells. Staining of nonvascular tumors (excluding hematopoietic neoplasms) is rare. CD31 MAb reacts with normal, benign, and malignant endothelial cells which make up blood vessel lining. The level of CD31 expression can help to determine the degree of tumor angiogenesis, and a high level of CD31 expression may imply a rapidly growing tumor and potentially a predictor of tumor recurrence.

## Product Info

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| **Amount :** | 0.5 ml at 100µg/ml |
| **Content :** | Antibody Purified from Bioreactor Concentrate by Protein A/G and conjµgated to various reporter molecules. Prepared in 10mM PBS with 0.05% BSA and 0.05% azide. Contact us if you require this Ab in a different format. |
| **Storage condition :** | Antibody with azide - store at 4 to 8°C. Antibody is stable for 24 months. Non-hazardous. |

## Application Note

Flow Cytometry (5ul per test per one million cells or 5ul per 100ul of whole blood);Immunofluorescence (1:50-1:100 for 30 minutes at RT);

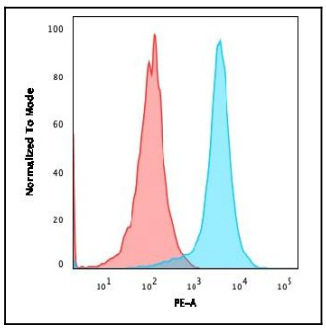


Fig. 1: Flow Cytometric Analysis of Jurkat cells using PE conjµgated CD31 Mouse Monoclonal Antibody (JC/70A) Isotype Control (Red).