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36-2910: Anti-CD31 / PECAM-1 (Endothelial Cell Marker) Monoclonal Antibody(Clone: C31.12)

Clonality: Monoclonal **Clone Name:** C31.12 Application: FACS.IF.WB Reactivity: Human 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: Recombinant human CD31 protein

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

Amount: 20 μg / 100 μg

200 µg/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS Content:

with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody Storage condition:

is stable for 24 months. Non-hazardous.

Application Note

Flow Cytometry (1-2ug/million cells); Immunofluorescence (1-2ug/ml); Western Blot (1-2ug/ml);

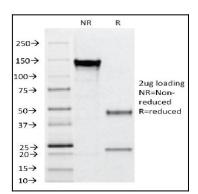


Fig. 1: SDS-PAGE Analysis Purified CD31 Mouse Monoclonal Antibody (C31.12). Confirmation of Integrity and Purity of Antibody.



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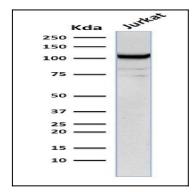


Fig. 2: Western Blot Analysis of human Jurkat cell lysate using CD31 Mouse Monoclonal Antibody (C31.12).