CD31 / PECAM-1 (Endothelial Cell Marker) Antibody

Mouse Monoclonal Antibody [Clone C31.7]

Catalog No	Format	Size
5175-MSM1-CF488-100T	Purified Ab conjug	ed to CF488

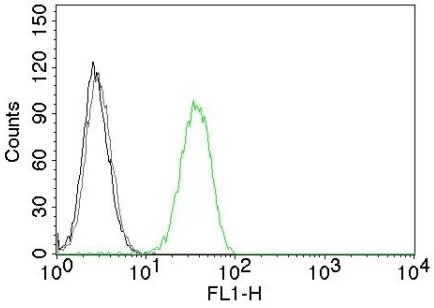
Applications	Tested Dillution
Flow Cytometry (Flow)	1-2ug/million cells
Immunofluorescence (IF)	1-3ug/ml

Product Details

Clone	C31.7
Gene Name	PECAM-1
Immunogen	Recombinant human CD31 protein
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG1 / Kappa
Mol. Weight of Antigen	~100kDa (endothelium) and ~130kDa (platelets)'
Cellular Localization	Cell surface and cytoplasmic
Species Reactivity	Human, Monkey, Rabbit
Positive Control	Angiosarcoma.|CCRF-CEM or K-562 cells. Tonsil|Jurkat

**Optimal dilution for a specific application should be determined.*

Product Images for CD31 / PECAM-1 (Endothelial Cell Marker) Antibody



Flow Cytometry of human CD31 on Jurkat cells. Black: cells alone; Grey: Isotype Control; Green: CF488-labeled CD31 Monoclonal Antibody (C31.7).

Specificity & Comments

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.

Research Areas

Cardiovascular, Immunology, Angiogenesis, Endothelial Cell Marker

Known Applications & Suggested Dilutions

Flow Cytometry (5ul per test per one million cells or 5ul per 100ul of whole blood);Immunofluorescence (1:50-1:100);Optimal dilution for a specific application should be determined.

Supplied As

Antibody Purified from Bioreactor Concentrate by Protein A/G and conjugated 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 and Stability

Antibody with azide - store at 4 to 8°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.

There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.