Mouse anti-Human CD31 mAb, FITC

Product Data Sheet

PRODUCT INFORMATION

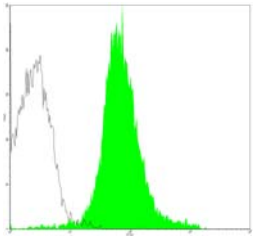
Catalog#/Size :	GMH0311F-025/25 Tests GMH0311F-100/100 Tests
Clone:	158-2B3
Isotype:	Mouse IgG1
Reactivity:	Human
Formulation:	Phosphate-buffered solution, pH 7.4, containing 0.09% sodium azide and 0.1% (w/v)
Storage:	Store at 4°C. DO NOT FREEZE. LIGHT SENSITIVE

DESCRIPTION

158-2B3 monoclonal antibody reacts with human CD31, a 130-140kD glycoprotein, which is also known as platelet endothelial cell adhesion molecule-1 (PECAM-1). The CD31 antigen is expressed on platelets and endothelial cells at high levels, as well as on T lymphocyte subsets, monocytes and granulocytes. The CD31 molecule has also been found in metastatic colon carcinoma. CD31 (PECAM-1) is an adhesion receptor with signaling function that is implicated in vascular wound healing, angiogenesis and transendothelial migration of leukocyte inflammatory responses.

APPLICATION AND USAGE

Applications:	FC, IF
Recommended Usage:	Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For immunofluorescent staining, the suggested use of this reagent is 10 µl per million cells or 10 µl per 100 µl of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.



Normal human peripheral platelets analyzed with FITC CD31 (158-2B3) mAb.

RELATED PRODUCTS

Catalog#	Product Name	Applications
GMH0311Z	Mouse anti-Human CD31,Purified	FC
GMH0311P	Mouse anti-Human CD31, PE	FC
GMK901F	Mouse IgG1 Isotype control,FITC	FC

REFERENCE

1. Kishimoto, T . *et al.* (1998). *Leucocyte Typing VI: White Cell Differentiation Antigens.* Garland Publishing, Inc. London.
2. Barclay NA *et al.* (1993) *Antigen FactsBook, CD15 Section*, Academia Press Inc., San Diego, CA p.135
3. Lund-Johansen FJ (1992) *J Immunol* **148**:3221

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