

Mouse anti-Human CD31 Monoclonal Antibody | anti-CD31 antibody

Mouse anti-Human CD31, Purified mAb

CATALOG # AAA267164	HOST Mouse	REACTIVITY Human	APPLICATIONS Immunofluorescence, Flow Cytometry, Functional Assay
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PRODUCT SYNONYMS

CD31; Monoclonal Antibody; Mouse anti-Human CD31; Purified mAb; anti-CD31 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1
Clone Number	4A158-2B3
Form/Format	Phosphate-buffered solution, pH 7.4, containing 0.09% sodium azide
Applicable Applications for anti-CD31 antibody	IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Experimental Methods	1.Take 100mul peripheral blood anticoagulated by EDTA and add to the bottom of 5ml tube; 2.Add appropriate amount of antibody to the bottom of flow tube mixing with the whole blood, incubate for 30 minutes at room temperature; 3.Add 2 ml1×RBC lysis buffer, incubate for 10 minutes after mixing, dissolve red blood cells (recommended: RBC lysing Solution 10×); 4.Sample tube is set to 1000 rpm centrifugation for 5 minutes, discard the supernatant; 5.Add 2 ml PBS wash buffer to resuspend the cells, then 1000 rpm centrifugation for 5 minutes, discard the supernatant; 6.Add appropriate amount of fluorescent-labeled anti-mouse IgGs and incubate for 20 minutes away from light at room temperature. 7.Repeat step 5. 8.Add 0.5 ml PBS wash buffer to resuspend the cells and detect by flow cytometry (sample should be determined on the day on the machine and can also be added fixation overnight at 4 degree C then measured). [PBS wash buffer: PBS +1% FBS +0.1% NaN₃] [Cell fixation: 2% formaldehyde solution]
Preparation and Storage	Store at 4 degree C. DO NOT FREEZE. LIGHT SENSITIVE MATERIAL.

ADDITIONAL INFORMATION

Related Product Information for anti-CD31 antibody	4A158-2B3 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.This clone is cross reactive with non-human primate.
References	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.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/cd31-antibody-clone-4a158-2b3-immunofluorescence-flow-cytometry-elisa/267164>