Rat anti-Mouse CD31/PECAM-1 Monoclonal Antibody

Rat Anti-Mouse CD31/PECAM-1-PE

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA78673	**Rat**	**Mouse**	**Immunoprecipitation, Immunohistochemistry, Flow Cytometry, Functional Assay**

PRODUCT SYNONYMS

CD31/PECAM-1; Monoclonal Antibody; Rat Anti-Mouse CD31/PECAM-1-PE; Rat Anti-Mouse CD31/PECAM-1 - Phycoerythrin-Labeled; Rat Anti-Mouse CD31/PECAM-1; anti-CD31/PECAM-1 antibody

PRODUCT SPECIFICATIONS

Host	Rat
Reactivity	Mouse
Clonality	Monoclonal
Isotype	Rat (Lewis) IgG2a kappa
Clone Number	390
Specificity	Mouse CD31/PECAM-1, Mr 130-140 kDa CD31, also known as platelet endothelial cell adhesion molecule-1 (PECAM-1), is a type I integral membrane glycoprotein and a member of the immunoglobulin superfamily of cell surface receptors. It is constitutively expressed on the surface of endothelial cells, and concentrated at the junction between them. It is also weakly expressed on many peripheral lymphoid cells and paltelets.^1-3 CD31 interacts homotypically in cell adhesion assays. MAb 390 inhibits the aggregation of L cells transfected with a variant form of CD31.^1, 3
Form/Format	R - phycoerythrin (R - PE) Conjugate
Applicable Applications for anti-CD31/PECAM-1 antibody	IP (Immunoprecipitation), IHC (Immunohistochemistry), FCM/FACS (Flow Cytometry)
Immunogen	Mouse leukocyte cell line 32D
Characterization	To ensure lot-to-lot consistency, each batch of monoclonal antibody is tested by flow cytometry to conform with characteristics of a standard reference reagent. Representative data are included in this product insert.
Preparation and Storage	The purified (UNLB) antibody is supplied as 0.5 mg of purified immunoglobulin in 1.0 mL of 100 mM borate buffered saline, pH 8.2. No preservatives or amine-containing buffer salts added. Store at 2-8 degree C. The fluorescein (FITC) conjugate is supplied as 0.5 mg in 1.0 mL of PBS/NaN3. Store at 2-8 degree C. The biotin (BIOT) conjugate is supplied as 0.5 mg in 1.0 mL of PBS/NaN3. Store at 2-8 degree C. The R-phycoerythrin (R-PE) conjugate is supplied as 0.1 mg in 1.0 mL or 0.2 mg in 2.0 mL of PBS/NaN3 and a stabilizing agent. Store at 2-8 degree C. Do not freeze! The allophycocyanin (APC) conjugate is supplied as 0.1 mg in 1.0 mL of PBS/NaN3 and a stabilizing agent. Store at 2-8 degree C. Do not freeze! The low endotoxin, azide-free (LE/AF) antibody is supplied as 0.5 mg purified immunoglobulin in 1.0 mL of PBS. Aliquot and store at or below -20 degree C. The R-phycoerythrin-Cyanine 7 (R-PE-CY 7) conjugate is supplied as 0.1 mg in 1.0 mL of PBS/NaN3 and a stabilizing agent. Store at 2-8 degree C. Do not freeze! Protect conjugated forms from light. Aliquot and freeze the low endotoxin, azide-free product at -20 degree C immediately upon receipt. Each reagent is stable for the period shown on the bottle label if stored as directed.

ADDITIONAL INFORMATION

References	1. Abelda, S.M. Personal communication 2. Buck, C.A., H.S. Baldwin, H. DeLisser, C. Mickanin, H.-M. Shen, G. Kennedy, A. Chen, J.M. Edelman, and S.M. Abelda. 1993. Comptes Rendus de l-Academie des Sciences Serie III-Sciences de la Vie-Life Sciences 316:838. 3. DeLisser, H.M., P.J. newman, and S.M. Abelda. 1993. Curr. Topics Microbiol. Immunol. 184:37.

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-pecam-1-antibody-clone-390-immunoprecipitation-immunohistochemistry-flow-cytometry-elisa/78673