

32-5833: Monoclonal antibody to CD31-Biotin (Clone : hCD31)

Clonality :	Monoclonal
Clone Name :	hCD31
Application :	FACS,IHC
Gene :	PECAM1
Gene ID :	5175
Uniprot ID :	P16284
Format :	Purified
Alternative Name :	Platelet endothelial cell adhesion molecule,PECAM-1,EndoCAM,GPIIA',CD31 antigen,PECAM1,CD31.
Isotype :	mouse IgG1
Immunogen Information :	Enriched human platelets

Description

CD31 is a glycoprotein expressed on endothelial cells, platelets, macrophages and Kupffer cells, granulocytes, T / NK cells, lymphocytes, megakaryocytes, fibroblasts, osteoclasts, neutrophils. In humans, the gene encoding CD31 is found on chromosome 17. CD31 is a cluster of differentiation molecule. It is also called PECAM-1 for platelet endothelial cell adhesion molecule. It plays a key role in removing aged neutrophils from the body. Both the neutrophil and the macrophage express CD31 on their membranes, and during the testing process, these CD31 molecules bind the two cells together. If the neutrophil is healthy, it will send a signal to the macrophage, and the CD31 molecules will detach. CD31 is also expressed in certain tumors, including epithelioid hemangioendothelioma, epithelioid sarcoma-like hemangioendothelioma, other vascular tumors, histiocytic malignancies, and plasmacytomas. It is rarely found in some sarcomas and carcinomas.

Product Info

Amount :	1 mg
Purification :	Protein A
Content :	1mg/ml in PBS (after reconstitution).
Storage condition :	In lyophilized form, for long periods, store at 4°C in a dry environment. After reconstitution, if not intended for use within a month, aliquot and store at -20°C.

Application Note

Flow cytometry, immunohistochemistry. For staining, use 10⁵µl/10⁶ cells.