

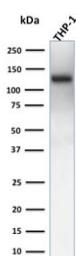
Recombinant CD31 Antibody / PECAM-1 [clone rC31.3] (V8000)

Catalog No.	Formulation	Size
V8000-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V8000-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V8000SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

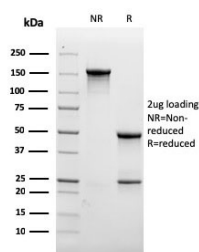
Recombinant **MOUSE MONOCLONAL**

[Bulk quote request](#)

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Recombinant Mouse Monoclonal
Isotype	Mouse IgG1, kappa
Clone Name	rC31.3
Purity	Protein G affinity chromatography
UniProt	P16284
Localization	Cell surface, cytoplasmic
Applications	Western Blot : 1-2ug/ml Immunohistochemistry (FFPE) : 1-2ug/ml
Limitations	This recombinant CD31 antibody is available for research use only.



Western blot testing of human THP-1 cell lysate with recombinant CD31 antibody (clone rC31.3). Expected molecular weight: 83-130 kDa depending on level of glycosylation.



SDS-PAGE analysis of purified, BSA-free recombinant CD31 antibody (clone rC31.3) as confirmation of integrity and purity.

Description

CD31, also called PECAM-1, is a transmembrane glycoprotein member of the immunoglobulin supergene family of adhesion molecules. It is expressed by stem cells of the hematopoietic system and CD31 antibody can be used to identify and concentrate these cells for experimental studies as well as for bone marrow transplantation. CD31 antibody has shown to be highly specific and sensitive for vascular endothelial cells. Staining of nonvascular tumors (excluding hematopoietic neoplasms) is rare. This antibody 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 expression level may imply a rapidly growing tumor and potentially a predictor of tumor recurrence.

Application Notes

Optimal dilution of the recombinant CD31 antibody should be determined by the researcher.

Immunogen

Recombinant human protein

Storage

Store the recombinant CD31 antibody at 2-8°C (with azide) or aliquot and store at -20°C or colder (without azide).