

Datasheet for ABIN6938150

Recombinant anti-CD31 antibody[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	CD31 (PECAM1)
Reactivity:	Human
Host:	Rabbit
Antibody Type:	Recombinant Antibody
Clonality:	Monoclonal
Conjugate:	This CD31 antibody is un-conjugated
Application:	Flow Cytometry (FACS), Western Blotting (WB), Immunohistochemistry (Formalin-fixed Sections) (IHC (f))

Product Details

Immunogen:	Recombinant full-length human CD31 protein
Clone:	C31-1395R
Isotype:	IgG
Specificity:	CD31 (PECAM-1) is a transmembrane glycoprotein member of the immunoglobulin supergene family of adhesion molecules. CD31 is expressed by stem cells of the hematopoietic system and is primarily used to identify and concentrate these cells for experimental studies as well as for bone marrow transplantation. Anti-CD31 has shown to be highly specific and sensitive for vascular endothelial cells. Staining of nonvascular tumors (excluding hematopoietic neoplasms) is rare. CD31 MAb reacts with normal, benign, and malignant endothelial cells which make up blood vessel lining. The level of CD31 expression can help to determine the

Product Details

	degree of tumor angiogenesis, and a high level of CD31 expression may imply a rapidly growing tumor and potentially a predictor of tumor recurrence.
Cross-Reactivity (Details):	Human.
Purification:	1.0mg/ml of Ab purified from Bioreactor by Protein A/G.

Target Details

Target:	CD31 (PECAM1)
Alternative Name:	PECAM1 (PECAM1 Products)
Background:	EndoCAM, PECA1, Platelet Endothelial Cell Adhesion Molecule 1, GPIIA',CD31 / PECAM-1 (Endothelial Cell Marker) Cellular localisation: Cell Surface and Cytoplasmic
Molecular Weight:	~100kDa (endothelium) and ~130kDa (platelets)
Gene ID:	5175, 376675, 514412
UniProt:	P16284
Pathways:	Regulation of Actin Filament Polymerization

Application Details

Application Notes:	Known_Application: Western Blot (1-2 µg/mL), Flow Cytometry (1-2 µg/million cells), Immunohistochemistry (Formalin-fixed) (1-2 µg/mL for 30 minutes at RT)(Staining of formalin-fixed tissues requires heating tissue sections in 10 mM Tris with 1 mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes)Optimal dilution for a specific application should be determined. Positive_Control: THP-1, Jurkat cells. Tonsil or Angiosarcoma.
Restrictions:	For Research Use only

Handling

Concentration:	1.0 mg/mL
Buffer:	Prepared in 10 mM PBS, WITHOUT BSA and Azide.
Preservative:	Azide free
Storage:	-20 °C,-80 °C

Handling

Storage Comment:	Antibody without azide store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous.
Expiry Date:	24 months