

Recombinant

DGRmAb®

CD31 (DGR14420) Rabbit mAb

db15306

Package : 10µL 20µL 50µL 100µL

Product Name : CD31 (DGR14420) Rabbit mAb**Cat.No.:** db15306**Synonyms :** Cd31; Pecam; C85791; PECAM-1**Application :** WB, ICC/IF, IHC-P**Reactivity :** Mouse,Rat**Host species :** Rabbit**Background**

Cell adhesion molecule which is required for leukocyte transendothelial migration (TEM) under most inflammatory conditions. Tyr-679 plays a critical role in TEM and is required for efficient trafficking of PECAM1 to and from the lateral border recycling compartment (LBRC) and is also essential for the LBRC membrane to be targeted around migrating leukocytes. Prevents phagocyte ingestion of closely apposed viable cells by transmitting 'detachment' signals, and changes function on apoptosis, promoting tethering of dying cells to phagocytes (the encounter of a viable cell with a phagocyte via the homophilic interaction of PECAM1 on both cell surfaces leads to the viable cell's active repulsion from the phagocyte. During apoptosis, the inside-out signaling of PECAM1 is somehow disabled so that the apoptotic cell does not actively reject the phagocyte anymore.

Immunogen

Recombinant protein of mouse CD31

Gene ID

18613

Swiss Prot

Q08481

Synonyms

Cd31; Pecam; C85791; PECAM-1

Reactivity

Mouse,Rat

Application

WB, ICC/IF, IHC-P

Recommended dilution

WB: 1:1000

ICC/IF: 1:100

IHC-P: 1:100-1:200

Calculated MW

83 kDa

Observed MW

130-135 kDa

Host species

Rabbit

Clonality

Monoclonal

Clonality No.	DGR14420
Isotype	IgG
Purity	Affinity Purification
Conjugation	Un-conjugated
Storage Stability	Store at -20°C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA. Stable for 12 months from date of receipt.
	Western blot analysis of extracts from Mouse lung tissue using db15306 at 1:1000.