







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



For Research Use Only **Product Datasheet**

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.

Mouse lung

kDa

250 -

150 -

100 - **■** [←] 75 -

50 -

37 -

25 -

20 -

15 -

10 -

Western blot analysis of extracts from Mouse lung tissue using db15306 at 1:1000.