

## Product datasheet for **TA309798**

### CD31 (PECAM1) Rabbit Polyclonal Antibody

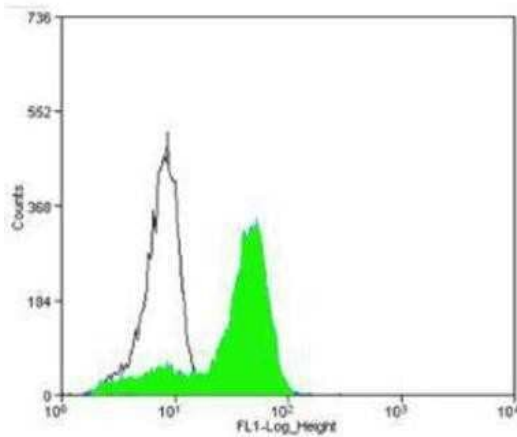
#### Product data:

|                       |                                                                                                                                                                                                                          |
|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Type:         | Primary Antibodies                                                                                                                                                                                                       |
| Applications:         | FC, ICC/IF, IHC, Simple Western, WB                                                                                                                                                                                      |
| Recommended Dilution: | Immunohistochemistry-Frozen, Simple Western: 1:1000, Flow Cytometry: 1:1000, Immunohistochemistry: 1:50, Western Blot: 1:10000, Immunohistochemistry-Paraffin: 1:50, Immunocytochemistry/ Immunofluorescence: 1:10-1:500 |
| Reactivity:           | Human, Mouse                                                                                                                                                                                                             |
| Host:                 | Rabbit                                                                                                                                                                                                                   |
| Clonality:            | Polyclonal                                                                                                                                                                                                               |
| Immunogen:            | A genomic peptide made to an internal region of the human Pecam1 protein (within residues 100-300). [Swiss-Prot P16284]                                                                                                  |
| Formulation:          | PBS, 30% glycerol and 0.05% Sodium Azide                                                                                                                                                                                 |
| Concentration:        | lot specific                                                                                                                                                                                                             |
| Purification:         | Affinity purified                                                                                                                                                                                                        |
| Conjugation:          | Unconjugated                                                                                                                                                                                                             |
| Storage:              | Store at -20°C as received.                                                                                                                                                                                              |
| Stability:            | Stable for 12 months from date of receipt.                                                                                                                                                                               |
| Gene Name:            | platelet and endothelial cell adhesion molecule 1                                                                                                                                                                        |
| Database Link:        | <a href="#">NP_000433</a><br><a href="#">Entrez Gene 18613 Mouse</a> <a href="#">Entrez Gene 5175 Human</a><br><a href="#">P16284</a>                                                                                    |
| Synonyms:             | CD31; EndoCAM; endoCAM; GPIIA; PECA1; PECAM-1                                                                                                                                                                            |
| Protein Families:     | Druggable Genome, ES Cell Differentiation/IPS, Transmembrane                                                                                                                                                             |
| Protein Pathways:     | Cell adhesion molecules (CAMs), Leukocyte transendothelial migration                                                                                                                                                     |



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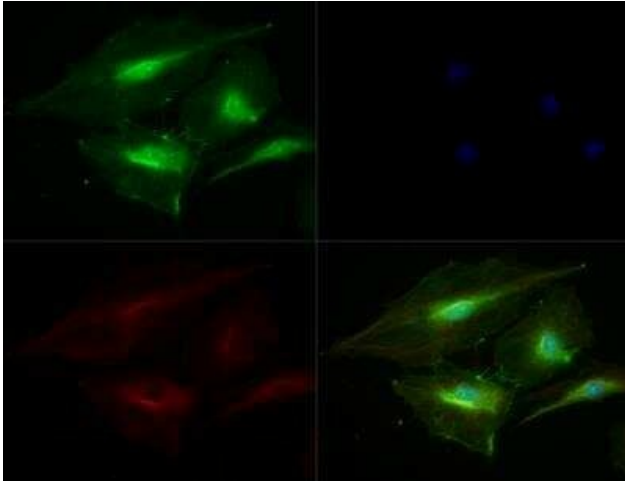
Product images:



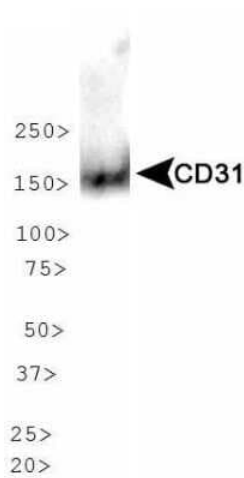
Flow Cytometry: CD31/PECAM-1 Antibody TA309798 - CD31/PECAM-1 Antibody was tested in WeHi cells with Dylight 488 (green) alongside a matched isotype control (black).



Simple Western: CD31/PECAM-1 Antibody TA309798 - Image shows a specific band for CD31/PECAM 1 in 0.5 mg/mL of HUVEC lysate. This experiment was performed under reducing conditions using the 12-230 kDa separation system.



Immunocytochemistry/Immunofluorescence: CD31/PECAM-1 Antibody TA309798 - HUVEC cells were fixed for 10 minutes using 10% formalin and then permeabilized for 5 minutes using 1X TBS + 0.5% Triton X-100. The cells were incubated with CD31/PECAM-1 Antibody at 5 ug/mL overnight at 4C and detected with an anti-rabbit Dylight 488 (Green) at a 1:500 dilution. Alpha tubulin (DM1A) NB100-690 was used as a co-stain at a 1:1000 dilution and detected with an anti-mouse Dylight 550 (Red) at a 1:500 dilution. Nuclei were counterstained with DAPI (Blue). Cells were imaged using a 40X objective.



Western Blot: CD31/PECAM-1 Antibody TA309798 - Detection of CD31 in HUVEC cell lysates.