

## Datasheet for ABIN7456527 **anti-CD31 antibody (APC)**

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### Overview

|              |                                         |
|--------------|-----------------------------------------|
| Quantity:    | 25 µg                                   |
| Target:      | CD31 (PECAM1)                           |
| Reactivity:  | Mouse                                   |
| Host:        | Rat                                     |
| Clonality:   | Monoclonal                              |
| Conjugate:   | This CD31 antibody is conjugated to APC |
| Application: | Flow Cytometry (FACS)                   |

### Product Details

|          |              |
|----------|--------------|
| Clone:   | 390          |
| Isotype: | IgG2a, kappa |

### Target Details

|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Target:           | CD31 (PECAM1)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Alternative Name: | CD31 ( <a href="#">PECAM1 Products</a> )                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Background:       | <p>Pecam, Pecam-1, PECAM-1, CD31, CD31 is a 130-140 kD glycoprotein, also known as platelet endothelial cell adhesion molecule (PECAM-1) and EndoCAM. It is a member of the Ig superfamily, expressed on endothelial cells, platelets, granulocytes, monocytes/macrophages, dendritic cells, and T and B cell subsets, and is critical for cell-cell interactions. The primary ligands for CD31 have been reported to be CD38 and the vitronectin receptor (αv β3 integrin, CD51/CD61). Other reported functions of CD31 are neutrophil emigration to sites of</p> |

## Target Details

|           |                                                             |
|-----------|-------------------------------------------------------------|
|           | inflammation and angiogenesis.                              |
| Gene ID:  | 18613                                                       |
| UniProt:  | <a href="#">Q08481</a>                                      |
| Pathways: | <a href="#">Regulation of Actin Filament Polymerization</a> |

## Application Details

|                    |                                                                                                                                                                                                                                                                                                        |
|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Application Notes: | Check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for individual use. We suggest each investigator should titrate the reagent to obtain optimal results [The recommended concentration is 0.1-1 µg/10 <sup>6</sup> cells in 100 µL volume]. |
| Comment:           | Matching Isotype Control: APC Rat IgG2a, κ Isotype Control (ABIN7469841)                                                                                                                                                                                                                               |
| Restrictions:      | For Research Use only                                                                                                                                                                                                                                                                                  |

## Handling

|                    |                                                                                                                   |
|--------------------|-------------------------------------------------------------------------------------------------------------------|
| Concentration:     | 0.2 mg/mL                                                                                                         |
| Buffer:            | PBS with 0.05 % Proclin300, 1 % BSA                                                                               |
| Preservative:      | ProClin                                                                                                           |
| Precaution of Use: | This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Storage:           | 4 °C                                                                                                              |
| Storage Comment:   | Store at 2~8°C and protected from prolonged exposure to light. Do not freeze.                                     |