

Datasheet for ABIN135793  
**anti-CD51 antibody (PE)**



[Go to Product page](#)

1 Image

## Overview

|              |                                                   |
|--------------|---------------------------------------------------|
| Quantity:    | 100 tests                                         |
| Target:      | CD51 (ITGAV)                                      |
| Reactivity:  | Human                                             |
| Host:        | Mouse                                             |
| Clonality:   | Monoclonal                                        |
| Conjugate:   | This CD51 antibody is conjugated to PE            |
| Application: | Immunohistochemistry (IHC), Flow Cytometry (FACS) |

## Product Details

|                  |                                                                |
|------------------|----------------------------------------------------------------|
| Immunogen:       | Cell suspension containing osteoclasts from osteoclastomas     |
| Clone:           | 13C2                                                           |
| Isotype:         | IgG1                                                           |
| Specificity:     | Human/African Green Monkey/Rabbit/Bovine CD51, Mr 125 & 24 kDa |
| Characteristics: | Mouse Anti-Human CD51-PE                                       |

## Target Details

|                   |                                                                                                                                                                                              |
|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Target:           | CD51 (ITGAV)                                                                                                                                                                                 |
| Alternative Name: | CD51 ( <a href="#">ITGAV Products</a> )                                                                                                                                                      |
| Background:       | CD51 represents the 150 kDa integrin V chain that associates with integrin 3 (CD61) to form the CD51/CD61 vitronectin receptor on endothelial cells, certain activated leukocytes, NK cells, |

## Target Details

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macrophages, neutrophils and platelets. CD51 is the most promiscuous integrin  $\alpha$  subunit, it can form heterodimers with the  $\beta$  1 (CD29), 3 (CD61), 5, 6 and 8 subunits in various tissues. CD51/CD61 acts as an activation-independent receptor for platelet attachment and spreading on vitronectin and other RGD-containing proteins, including matrix components. It also mediates leukocyte-endothelial cell adhesion via interaction with CD31.

### Pathways:

[Cell-Cell Junction Organization](#), [Signaling Events mediated by VEGFR1 and VEGFR2](#), [Growth Factor Binding](#), [Integrin Complex](#)

## Application Details

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### Application Notes:

Working Dilution:

FACS: 10  $\mu$ L/10<sup>6</sup> cells

Representative data are included in this product insert.

Each laboratory should determine an optimum working titer for use in its particular application. Other applications have not been tested but use in such assays should not necessarily be excluded.

### Restrictions:

For Research Use only

## Handling

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### Buffer:

Product is supplied as 100 tests in 1.0 mL of PBS / NaN<sub>3</sub> and a stabilizing agent.

### Handling Advice:

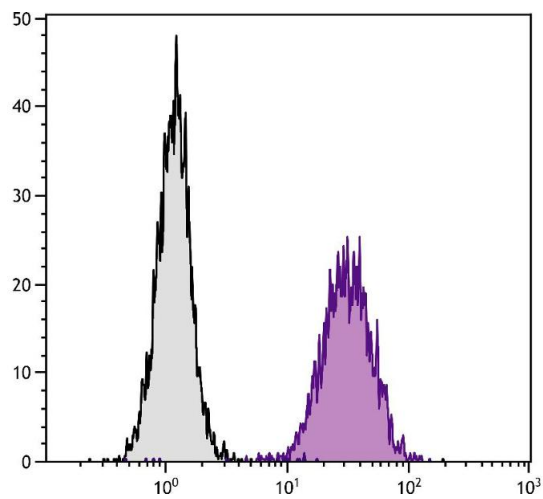
**Do not freeze!**

**Protect conjugated products from light.**

Each reagent is stable for the period shown on the bottle label if stored as directed.

### Storage:

4 °C



**Image 1.** Human HPV-16/transformed cell line HS-5 was stained with Mouse Anti-Human CD51-PE.