

Datasheet for ABIN135791

anti-CD51 antibody[Go to Product page](#)**1** Image

Overview

Quantity:	0.1 mg
Target:	CD51 (ITGAV)
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CD51 antibody is un-conjugated
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-UNLB
Purification:	Purified

Target Details

Target:	CD51 (ITGAV)
Alternative Name:	CD51 (ITGAV Products)
Background:	CD51 represents the 150 kDa integrin V chain that associates with integrin 3 (CD61) to form the

Target Details

CD51/CD61 vitronectin receptor on endothelial cells, certain activated leukocytes, NK cells, macrophages, neutrophils and platelets. CD51 is the most promiscuous integrin α subunit, it can form heterodimers with the β 1 (CD29), β 3 (CD61), β 5, β 6 and β 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

Application Notes: Working Dilution:
FACS: 1 μ g/ 10^6 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.

Sample Volume: 1 mL

Restrictions: For Research Use only

Handling

Buffer: Product is supplied as 0.1 mg purified immunoglobulin in 1.0 mL of phosphate buffered saline containing 0.1 % PBS / NaN₃ and a stabilizing agent.

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

Storage: 4 °C

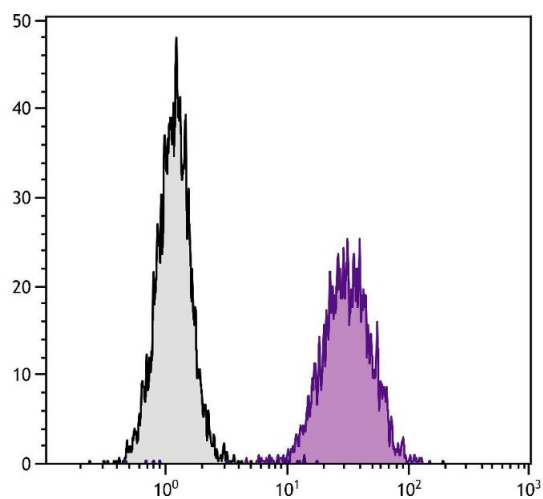


Image 1. Human HPV-16/transformed cell line HS-5 was stained with Mouse Anti-Human CD51-PE.