

CD51/CD61 (Integrin alpha v beta 3) Monoclonal Antibody (23C6), FITC, eBioscience

Product Details	
Size	100 Tests
Species Reactivity	Human
Published Species	Human
Host/Isotype	Mouse / IgG1, kappa
Recommended Isotype Control	Mouse IgG1 kappa Isotype Control (P3.6.2.8.1), FITC, eBioscience
Class	Monoclonal
Type	Antibody
Clone	23C6
Conjugate	FITC
Form	Liquid
Concentration	5 µL/Test
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2, with 0.1% gelatin, 0.2% BSA
Contains	0.09% sodium azide
Storage Conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_1907402

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	5 µL (1 µg)/test	6 Publications
Immunocytochemistry (ICC/IF)	-	1 Publication

Product Specific Information

Description: The 23C6 monoclonal antibody reacts with the human CD51/CD61 dimer, also known as the integrin alphav/beta3. CD51, an ~120 kDa surface molecule can also non-covalently associate with other beta subunits of the integrin family including beta1 (CD29), beta5 and beta6 to form receptors for extracellular matrix components. Heterodimers of CD51/CD61 are expressed by melanoma cells, endothelial cells and osteoclasts and at very low levels by platelets. The CD51/CD61 complex mediates adhesion to fibrinogen, fibronectin, vitronectin and thrombospondin.

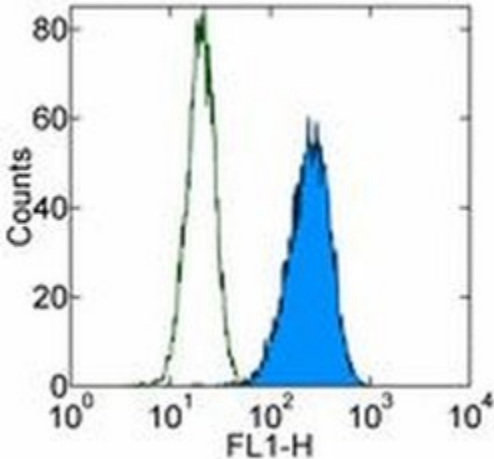
Applications Reported: The 23C6 antibody has been reported for use in flow cytometric analysis.

Applications Tested: The 23C6 antibody has been pre-titrated and tested by flow cytometric analysis of human melanoma cell line and peripheral blood cells. This can be used at 5 µL (1 µg) per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10⁵ to 10⁸ cells/test.

Excitation: 488 nm; Emission: 520 nm; Laser: Blue Laser.

Filtration: 0.2 µm post-manufacturing filtered.

Product Images For CD51/CD61 (Integrin alpha v beta 3) Monoclonal Antibody (23C6), FITC, eBioscience



CD51/CD61 (Integrin alpha v beta 3) Antibody (11-0519-42) in Flow
Staining of the M21 cell line with Mouse IgG1 kappa Isotype Control FITC (Product # 11-4714-42) (open histogram) or Anti-Human CD51/CD61 (Integrin alpha/beta 3) FITC (filled histogram). Total viable cells were used for analysis.

Flow Cytometry (6)

Immunology

Interferon- enhances both the anti-bacterial and the pro-inflammatory response of human mast cells to Staphylococcus aureus.

"11-0519 was used in Flow cytometry/Cell sorting to investigate the effect of interferon- on the biological responses of human mast cells to Staphylococcus aureus."

Authors: Swindle EJ,Brown JM,Rådinger M,DeLeo FR,Metcalfe DD

Species
Human

Dilution
Not Cited

Year
2015

Human reproduction (Oxford, England)

Insulin-like growth factor 1 increases apical fibronectin in blastocysts to increase blastocyst attachment to endometrial epithelial cells in vitro.

"11-0519 was used in Flow cytometry/Cell sorting to study an increase in apical fibronectin in blastocysts mediated by insulin-like growth factor to increase blastocyst attachment to endometrial epithelial cells in vitro."

Authors: Green CJ,Fraser ST,Day ML

Species
Human

Dilution
1:200

Year
2015

[View more Flow references on thermofisher.com](#)

Immunocytochemistry (1)

Molecular therapy. Nucleic acids

An Efficient Bivalent Cyclic RGD-PIK3CB siRNA Conjugate for Specific Targeted Therapy against Glioblastoma In Vitro and In Vivo.

"11-0519 was used in Immunocytochemistry-immunofluorescence to reveal a great translational potential of biRGD-siPIK3CB conjugate as a novel molecule for glioblastoma therapy."

Authors: Cen B,Wei Y,Huang W,Teng M,He S,Li J,Wang W,He G,Bai X,Liu X,Yuan Y,Pan X, Ji A

Species
Human

Dilution
Not Cited

Year
2018

More applications with references on thermofisher.com

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