

# CD49f (Integrin alpha 6) Monoclonal Antibody (eBioGoH3 (GoH3)), APC, eBioscience™

Product Details	
Size	100 µg
Species	Human, Mouse
Published Species	Artificial Control, Mouse, Human
Expression System	Rat / IgG2a, kappa
Recommended Isotype Control	Rat IgG2a kappa Isotype Control (eBR2a), APC, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	eBioGoH3 (GoH3)
Conjugate	APC
Form	Liquid
Concentration	0.2 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2, with 0.1% gelatin
Contains	0.09% sodium azide
Storage Conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_2016694

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	0.125 µg/test	32 Publications

## Product Specific Information

Description: The eBioGoH3 monoclonal antibody reacts with mouse and human CD49f, also known as integrin alpha 6, very late activation antigen 6 (VLA-6 alpha chain), and platelet gplc. CD49f is a 120 kD transmembrane protein. CD49f associates with CD29, the integrin beta 1 chain, to form the VLA-6 complex; CD49f also associates with CD104, the integrin beta 4 chain, to form the alpha 6 beta 4 complex. CD49f is expressed primarily on T cells, monocytes, platelets, epithelial and endothelial cells. CD49f expression has also been found on germinal center B cells. The eBioGoH3 antibody is cross-reactive to integrin alpha 6 on human, mouse and bovine cells. This antibody has also been reported to have functional activity in blocking the binding of integrin alpha 6 to laminin.

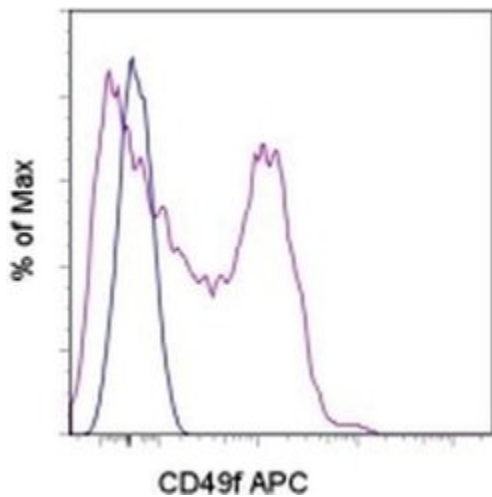
Applications Reported: This eBioGoH3 (GoH3) antibody has been reported for use in flow cytometric analysis.

Applications Tested: This eBioGoH3 (GoH3) antibody has been tested by flow cytometric analysis of normal human peripheral blood cells. This can be used at less than or equal to 0.125 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 10<sup>5</sup> to 10<sup>8</sup> cells /test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

Excitation: 633-647 nm; Emission: 660 nm; Laser: Red Laser.

Filtration: 0.2 µm post-manufacturing filtered.

## Product Images For CD49f (Integrin alpha 6) Monoclonal Antibody (eBioGoH3 (GoH3)), APC, eBioscience™



### CD49f (Integrin alpha 6) Antibody (17-0495-82) in Flow

Staining of normal human peripheral blood cells with 0.06 µg of Rat IgG2a K Isotype Control APC (Product # 17-4321-81) (blue histogram) or 0.06 µg of Anti-Human /Mouse CD49f (Integrin alpha 6) APC (purple histogram). Cells in the lymphocyte gate were used for analysis.

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## 32 References

### Flow Cytometry (32)

Frontiers in immunology

#### Regulatory T Cells Control the Switch From *in situ* to Invasive Breast Cancer.

"Published figure using CD49f (Integrin alpha 6) monoclonal antibody (Product # 17-0495-82) in Flow Cytometry"

Authors: Martinez LM, Robila V, Clark NM, Du W, Idowu MO, Rutkowski MR, Bos PD

Species

Artificial Control

Dilution

Not Cited

Year

2020

International journal of molecular sciences

#### Chemotherapeutic Stress Influences Epithelial-Mesenchymal Transition and Stemness in Cancer Stem Cells of Triple-Negative Breast Cancer.

"Published figure using CD49f (Integrin alpha 6) monoclonal antibody (Product # 17-0495-82) in Flow Cytometry"

Authors: Li X, Strietz J, Bleilevens A, Stickeler E, Maurer J

Species

Artificial Control

Dilution

Not Cited

Year

2020

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

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