

# CD49f (Integrin alpha 6) Monoclonal Antibody (eBioGoH3 (GoH3)), Biotin, 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), Biotin, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	eBioGoH3 (GoH3)
Conjugate	Biotin
Form	Liquid
Concentration	0.5 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_1210590

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	0.25 µg/test	25 Publications
Immunohistochemistry (Frozen) (IHC (F))	Assay-Dependent	-
Immunofluorescence (IF)	-	1 Publication
Western Blot (WB)	-	1 Publication

## 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.

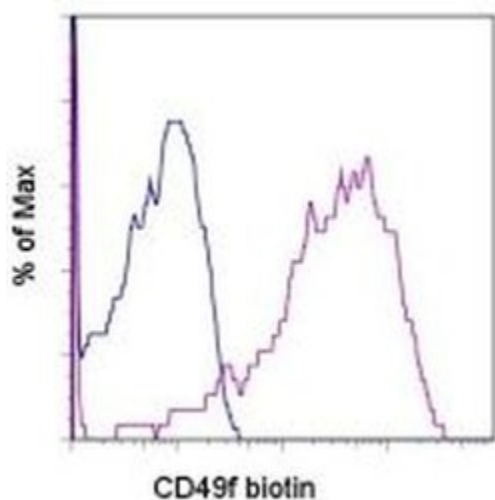
Applications Reported: This eBioGoH3 (GoH3) antibody has been reported for use in flow cytometric analysis, and immunohistology staining of frozen tissue sections.

Applications Tested: This eBioGoH3 (GoH3) antibody has been tested by flow cytometric analysis of human peripheral blood cells. This can be used at less than or equal to 0.25 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  $\mu$ L. Cell number should be determined empirically but can range from  $10^5$  to  $10^8$  cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

Filtration: 0.2  $\mu$ m post-manufacturing filtered.

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



### CD49f (Integrin alpha 6) Antibody (13-0495-82) in Flow

Staining of normal human peripheral blood cells with 0.25  $\mu$ g of Rat IgG2a kappa Isotype Control Biotin (Product # 13-4321-82) (open histogram) or 0.125  $\mu$ g of Anti-Human/Mouse CD49f (Integrin alpha 6) Biotin (filled histogram) followed by Streptavidin PE (Product # 12-4317-87). Cells in the lymphocyte gate were used for analysis.

[View more figures on thermofisher.com](https://www.thermofisher.com)

## Flow Cytometry (25)

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 # 13-0495-82) 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 # 13-0495-82) 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](#)

## Immunofluorescence (1)

Breast cancer research : BCR

### Evidence for a multipotent mammary progenitor with pregnancy-specific activity.

"13-0495 was used in Flow cytometry/Cell sorting to provide data to show the existence of multi-potent mammary progenitor cells that have pregnancy-specific function."  
 Authors: Kaanta AS,Virtanen C,Selfors LM,Brugge JS,Neel BG

**Species**  
Mouse  
Not Applicable

**Dilution**  
Not Cited  
Not Cited

**Year**  
2014

## Western Blot (1)

Nature cell biology

### GATA3 suppresses metastasis and modulates the tumour microenvironment by regulating microRNA-29b expression.

"Published figure using CD49f (Integrin alpha 6) monoclonal antibody (Product # 13-0495-82) in Flow Cytometry"  
 Authors: Chou J,Lin JH,Brenot A,Kim JW,Provot S,Werb Z

**Species**  
Mouse  
Not Applicable

**Dilution**  
Not Cited  
Not Cited

**Year**  
2013

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