

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

Product Details	
Size	100 µg
Species Reactivity	Human, Mouse
Published Species	Mouse, Human
Host/Isotype	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
Contains	0.09% sodium azide
Storage conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_1210590

Applications	Tested Dilution	Publications
Western Blot (WB)	-	1 Publication
Immunohistochemistry (IHC)	-	1 Publication
Immunohistochemistry (Frozen) (IHC (F))	Assay-Dependent	-
Flow Cytometry (Flow)	0.25 µg/test	26 Publications
Neutralization (Neu)	-	1 Publication

Product Specific Information

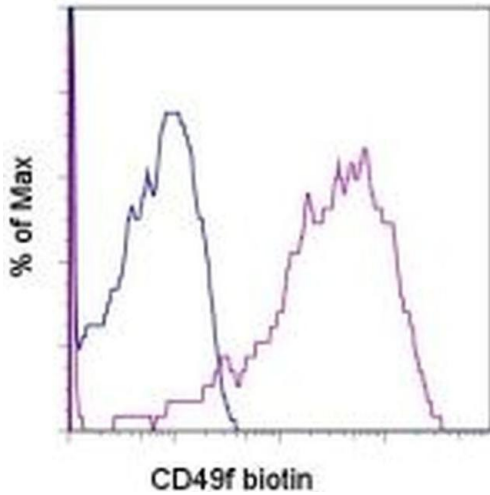
Description: The eBioGoH3 monoclonal antibody reacts with mouse and human CD49f, also known as integrin alpha 6, very late activation antigen 6 (VLA-6 alpha chain), and platelet gplc. CD49f is a 120 kD transmembrane protein. CD49f associates with CD29, the integrin beta 1 chain, to form the VLA-6 complex; 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 µL. Cell number should be determined empirically but can range from 10⁵ to 10⁸ cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

Filtration: 0.2 µm 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 µg of Rat IgG2a kappa Isotype Control Biotin (Product # 13-4321-82) (open histogram) or 0.125 µg 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)

29 References

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

Dilution
Not Cited

Year
2013

Immunohistochemistry (1)

Breast cancer research : BCR

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

"Published figure using CD49f (Integrin alpha 6) monoclonal antibody (Product # 13-0495-82) in Flow Cytometry"

Authors: Kaanta AS, Virtanen C, Selfors LM, Brugge JS, Neel BG

Species
Mouse

Dilution
Not Cited

Year
2014

Flow Cytometry (26)

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
Not Applicable

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
Not Applicable

Dilution
Not Cited

Year
2020

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

More applications with references on thermofisher.com

Neu (1)

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