CD49f (Integrin alpha 6) Monoclonal Antibody (eBioGoH3 (GoH3)), Super Bright™ 436, eBioscience™

Product Details	
Size	100 µg
Species Reactivity	Human, Mouse
Host/Isotype	Rat / IgG2a, kappa
Recommended Isotype Control	Rat IgG2a kappa Isotype Control (eBR2a), Super Bright™ 436, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	eBioGoH3 (GoH3)
Conjugate	Super Bright™ 436
Excitation/Emission Max	413/431 nm
Form	Liquid
Concentration	0.2 mg/mL
Amount	100 µg
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2, with BSA
Contains	0.09% sodium azide
Storage conditions	4°C, store in dark, DO NOT FREEZE!
RRID	AB_2784808

Applications	Tested Dilution	Publications
Immunohistochemistry (IHC)	-	3 Publications
Immunocytochemistry (ICC/IF)	-	1 Publication
Flow Cytometry (Flow)	0.125 µg/test	18 Publications
Neutralization (Neu)	-	2 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 gpIc. 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 antibody has been reported for use in flow cytometric analysis.

Applications Tested: This eBioGoH3 antibody has been tested by flow cytometric analysis of normal human peripheral blood cells.

This may 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 10^5 to 10^8 cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

Super Bright 436 can be excited with the violet laser line (405 nm) and emits at 436 nm. We recommend using a 450/50 bandpass filter, or equivalent. Please make sure that your instrument is capable of detecting this fluorochrome.

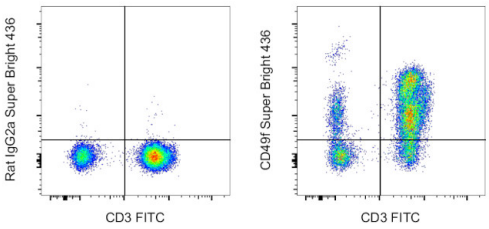
When using two or more Super Bright dye-conjugated antibodies in a staining panel, it is recommended to use Super Bright Complete Staining Buffer (Product # SB-4401) to minimize any non-specific polymer interactions. Please refer to the datasheet for Super Bright Staining Buffer for more information.

Excitation: 405 nm; Emission: 436 nm; Laser: Violet Laser

Super Bright Polymer Dyes are sold under license from Becton, Dickinson and Company.

Please note: We are reviewing Western blot images included in the antibody testing data in our catalog, including those provided by third parties. Unless expressly labeled or annotated as "raw-unedited", Western blot images included in the antibody testing data in our catalog may have been edited, optimized or otherwise adjusted for presentation.

Product Images For CD49f (Integrin alpha 6) Monoclonal Antibody (eBioGoH3 (GoH3)), Super Bright™ 436, eBioscience™



CD49f (Integrin alpha 6) Antibody (62-0495-82) in Flow
Normal human peripheral blood cells were stained with CD3 Monoclonal Antibody, FITC (Product # 11-0038-42) and 0.06 µg of Rat IgG2a kappa Isotype Control, Super Bright 436 (Product # 62-4321-82) (left) or 0.06 µg of CD49f Monoclonal Antibody, Super Bright 436 (right). Cells in the lymphocyte gate were used for analysis.

View more figures on thermofisher.com

24 References

Immunohistochemistry (3)

Journal of anatomy

Integrin expression and extracellular matrix adhesion of septoclasts, pericytes, and endothelial cells at the chondro-osseous junction and the metaphysis of the proximal tibia in young mice.

"Published figure using CD49f (Integrin alpha 6) monoclonal antibody (Product # 62-0495-82) in Immunohistochemistry"

Authors: Bando Y, Nagasaka A, Onozawa G, Sakiyama K, Owada Y, Amano O

Year
2023

Developmental cell

Embigin is a fibronectin receptor that affects sebaceous gland differentiation and metabolism.

"Published figure using CD49f (Integrin alpha 6) monoclonal antibody (Product # 62-0495-82) in Immunohistochemistry"

Authors: Sipilä K, Rognoni E, Jokinen J, Tewary M, Vietri Rudan M, Talvi S, Jokinen V, Dahlström KM, Liakath-Ali K, Mobasseri A, Du-Harpur X, Käpylä J, Nutt SL, Salminen TA, Heino J, Watt FM

Year
2022

View more IHC references on thermofisher.com

Immunocytochemistry (1)

STAR protocols

Generation and functional characterization of murine mammary organoids.

"Published figure using CD49f (Integrin alpha 6) monoclonal antibody (Product # 62-0495-82) in Immunocytochemistry"

Authors: Yip HYK, Papa A

Year
2021

Flow Cytometry (18)

Frontiers in cell and developmental biology

Stemness properties of SSEA-4+ subpopulation isolated from heterogenous Wharton's jelly mesenchymal stem/stromal cells.

"Published figure using CD49f (Integrin alpha 6) monoclonal antibody (Product # 62-0495-82) in Flow Cytometry"

Authors: Smolinska A, Chodkowska M, Kominek A, Janiec J, Piwocka K, Sulejczak D, Sarnowska A

Year
2024

View more Flow references on thermofisher.com

More applications with references on thermofisher.com

Neu (2)

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