

CD49f Rat Anti-Human/Mouse mAb (clone eBioGoH3) PE Conjugate

Store at 2°C to 8°C

Pub. No. MAN0008493 Rev. 1.00

Catalog No.	Form	Amount	Excitation	Peak Emission
A16331	PE	50 µg (0.2 mg/mL)	496 nm	578 nm

Clone	eBioGoH3 (GoH3)
Host/Class	Rat IgG2ak
Description	The CD49f Rat Anti-Human/Mouse mAb recognizes mouse and human CD49f, a transmembrane protein expressed on epithelial, endothelial cells, T cells, monocytes, platelets and germinal center B cells. CD49f associates with CD29 to form the VLA-6 complex and with CD104 to form the alpha 6 beta 4 complex. The mAb is cross-reactive to integrin alpha 6 on mouse, human and bovine cells, and has functional activity in blocking integrin alpha 6 binding to laminin.
Alternate Names	Integrin alpha 6, ITGA6, VLA6, platelet gpIc
Reactivity	Human/Mouse CD49f
Applications*	FC (human peripheral blood leukocytes)
Storage Buffer	The reagent is provided in aqueous buffer with 0.09% sodium azide, and may contain carrier protein/stabilizer. CAUTION! Sodium azide is extremely toxic and may react with lead and copper plumbing to form highly explosive metal azides. Properly dispose of solutions containing sodium azide. Read the Safety Data Sheet (SDS) and follow the handling instructions. Wear appropriate protective eyewear, clothing, and gloves. SDSs are available at www.lifetechnologies.com/support .
Storage	Store reagents in the dark at 2° to 8°C. Do not freeze. If the reagent is being diluted, it is recommended that only the quantity to be used within one week be diluted. Avoid prolonged light exposure with fluorochrome-conjugated antibodies. Use dim light during handling, incubation with cells, and prior to analysis.
Stability	When stored as instructed, expires one year from date of receipt unless otherwise indicated on Certificate of Analysis.
Lot Number	See product label.
References	<ol style="list-style-type: none"> 1. Sonnenberg A, Daams H, Van der Valk MA, Hilkens J, Hilgers J. Development of mouse mammary gland: identification of stages in differentiation of luminal and myoepithelial cells using monoclonal antibodies and polyvalent antiserum against keratin. <i>J Histochem Cytochem.</i> 1986 Aug;34(8):1037-46. 2. Aumailley M, Timpl R, Sonnenberg A. Antibody to integrin alpha 6 subunit specifically inhibits cell-binding to laminin fragment 8. <i>Exp Cell Res.</i> 1990 May;188(1):55-60. 3. Ambrose HE, Wagner SD. Alpha6-integrin is expressed on germinal centre B cells and modifies growth of a B-cell line. <i>Immunology.</i> 2004 Apr;111(4):400-6.

* Because conditions may vary, it is recommended that each investigator determine the optimal amount of antibody to be used for each application.








FC = flow cytometry; FUNC = functional assay; ICC = immunocytochemistry; IHC(F) = immunohistochemistry (frozen sample); IHC(P) = immunohistochemistry (paraffin embedded sample); IP = immunoprecipitation; RIA = radioimmunoassay; WB = western blot

For Research Use Only. Not for use in diagnostic procedures.

Manufacturing site: 7335 Executive Way | Frederick, MD 21704 | Toll Free in USA 800.955.6288

Explanation of Symbols

The symbols present on the product label are explained below:

Symbol	Description	Symbol	Description	Symbol	Description
	Manufacturer		Catalog number		Batch code
	Use by		Temperature limitation		
	Consult instructions for use		Caution, consult accompanying documents		

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