

CD29 Hamster Anti-Mouse/Rat

Publication Number: MAN0007070

Rev. 1.00

Store at 2°C to 8°C

Catalog No.	Form	Amount	Excitation	Peak Emission
A14889	PE-Cy [®] 7	25 µg	488 nm	767 nm
A14887	Alexa Fluor [®] 488	25 µg	495 nm	519 nm
A14886	R-PE	50 µg	496 nm	578 nm
A14888	APC	25 µg	650 nm	660 nm

Product Description

CD29 is a member of the integrin family which is expressed on leukocytes, endothelial cells, smooth muscle, and epithelial cells. CD29 is involved in cell-cell, and cell-matrix interactions. The CD29 Hamster Anti-Mouse/Rat Monoclonal Antibody (mAb) reacts with both mouse and rat CD29.

Product Specifications

Clonality:	Monoclonal
Host/Class:	Armenian Hamster IgG
Reactivity:	Mouse, Rat CD29
Immunogen:	Purified mouse CD29
Alternate Names:	Integrin b1, VLA-b chain, GPIIa
Apparent MW:	130 kDa
Gene ID:	16412 and 3688
Clone/PAD:	HMβ1-1
Isotype:	IgG
Lot:	See product label

Product Applications

Applications reported for the CD29 Hamster Anti-Mouse/Rat mAb include flow cytometry.

It is suggested that investigators titrate reagents to determine optimal conditions for use in their systems.

Stability

When stored as instructed, expires six months from date of receipt unless otherwise indicated on product label.

Storage and Handling

Store reagents at 2°C to 8°C. If the reagent is being diluted, it is recommended that only the quantity to be used within one week be diluted. Cells should be analyzed within 18 hours of staining for best results.

Avoid light exposure with fluorochrome-conjugated antibodies. Use dim light during handling, incubation with cells, and prior to analysis.

Storage Buffer

Phosphate-buffered solution, pH 7.2, with 0.09% sodium azide.

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 Sheets (SDSs) and follow the handling instructions. Wear appropriate protective eyewear, clothing, and gloves. SDSs are available at www.lifetechnologies.com/support.

For research use only. Not for human or animal therapeutic or diagnostic use.

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Product Documentation

To obtain a Certificate of Analysis or Safety Data Sheets (SDSs), visit www.lifetechnologies.com/support.

Related Products

Product Name	Quantity	Catalog No.
AbC™ Anti-Mouse Bead Kit	1 kit	A10344
AbC™ anti-Rat/Hamster Bead Kit	1 kit	A10389
Protein A Agarose	5 mL	15918-014
Recombinant Protein G (rProtein G) Agarose	5 mL	15920-010

Limited Product Warranty

Life Technologies Corporation and/or its affiliate(s) warrant their products as set forth in the Life Technologies' General Terms and Conditions of Sale found on Life Technologies' website at www.lifetechnologies.com/termsandconditions. If you have any questions, please contact Life Technologies at www.lifetechnologies.com/support.

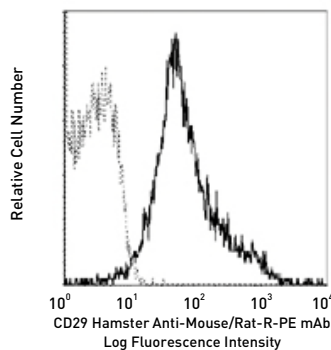


Figure 1 C57BL/6 mouse splenocytes (right) stained with CD29 Hamster Anti-Mouse/Rat-R-PE Monoclonal Antibody (Cat. no. A14886).

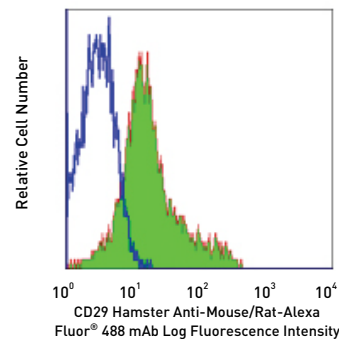


Figure 2 C57BL/6 mouse splenocytes stained with CD29 Hamster Anti-Mouse/Rat-Alexa Fluor® 488 Monoclonal Antibody (Cat. no. A14887).

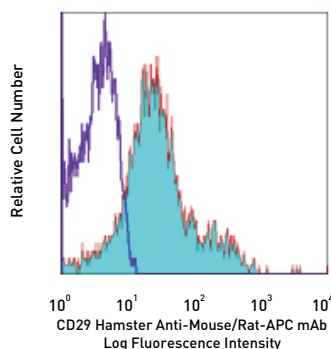


Figure 3 C57BL/6 mouse splenocytes stained with CD29 Hamster Anti-Mouse/Rat-APC Monoclonal Antibody (Cat. no. A14888).

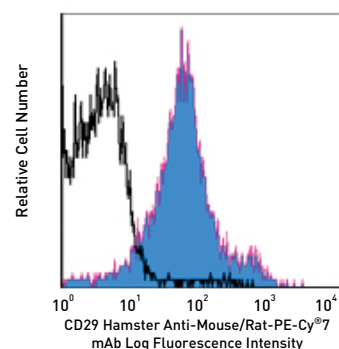


Figure 4 C57BL/6 mouse splenocytes stained with CD29 Hamster Anti-Mouse/Rat-PE-Cy®7 Monoclonal Antibody (Cat. no. A14889).

Note: All flow cytometric data shown may not necessarily have been generated using the enclosed lot of reagent. For this reason, and due to differences in flow cytometers and cytometer settings, results may vary from those illustrated above.

Manufactured for Life Technologies by BioLegend, Inc.



Explanation of symbols

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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