

HLADR (class II) Mouse Anti-Human Monoclonal Antibody (clone Tü36), Pacific Green™ Conjugate

Store at 2°C to 8°C

Pub. No. MAN0007743 Rev. 1.00

Catalog No.	Form	Amount	Excitation	Peak Emission
H11212	Pacific Green™	25 tests (125 µL)	411 nm	500 nm

Product Description

The HLADR (class II) Mouse Anti-Human Monoclonal Antibody (mAb) recognizes class II human leukocyte (HLA) – DR antigens.^{1–4} These antigens are expressed on B cells, activated T cells, and antigen expressing cells. This antibody recognizes the αβ heterodimer chain complex, but not the individual chains.

Product Specifications

Clonality:	Monoclonal
Host/Class:	Mouse IgG
Reactivity:	Human HLA-DR (class II)
Clone/PAD:	Tü36
Isotype:	IgG _{2b}
Lot:	See product label

Product Applications

Applications reported for the HLADR (class II) Mouse Anti-Human mAb include flow cytometry.

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

Storage and Handling

Store reagents at 2° 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. 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 product label.

Storage Buffer

Phosphate buffered saline (PBS) with 5 mM sodium azide, and a highly purified grade of BSA as a stabilizing agent.



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.

References

1. Pawelec, G., A. Ziegler, and P. Wernet., 1985. *Hum. Immunol.* 12: 165.
2. Ziegler, A., J. Heinig, C. Müller, H. Gorz, F. P. Thinnies, B. Uchanska-Ziegler, and P. Wernet. 1986. *Immunobiol.* 171: 77.
3. Barclay, A. N., M., H. Brown, S. K. A. Law, eds. 1997. *The Leukocyte Antigen Facts Book*, MHC Class II Section, Academic Press, Inc., San Diego, California, p. 567.
4. R. Levy, J. Dilley, R. I. Fox, and R. Wernke. 1979. *Proc. Natl. Acad. Sci. USA* 76: 6552.

Product Documentation

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








Limited Product Warranty

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Related Products

Product Name	Quantity	Cat. No.
FIX & PERM® Reagents (200 tests)	1 kit	GAS004
Streptavidin, Pacific Green™ Conjugate	500 µL	S11200
Pacific Green™ Succinimidyl Ester (triethylammonium salt)	250 µg	P11202
Zenon® Pacific Green™ Mouse IgG1 Labeling Kit	1 kit	Z11203
Pacific Green™ Goat Anti-Mouse IgG (H+L) (highly cross-adsorbed)	500 µL	P11204
LIVE/DEAD® Fixable Dead Cell Stain Kits		
Blue (UV excitation)	1 kit (200 assays)	L23105
Violet (405 nm excitation)		L34955
Yellow (405 nm excitation)		L34959
Red (488 nm excitation)		L23102
Near-IR (633/635 nm excitation)		L10119

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		

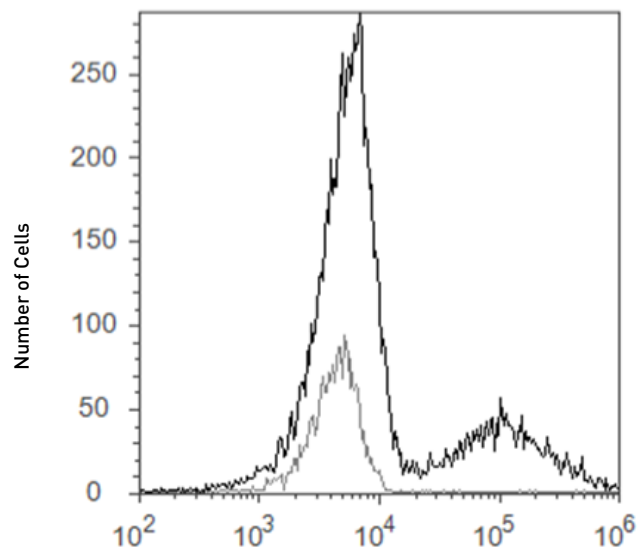
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HLADR (class II) Mouse Anti-Human Pacific Green™ Conjugate

Figure 1 Histogram of gated human lymphocytes labeled with HLADR (class II) Mouse Anti-Human Pacific Green™ Conjugate.

Samples were acquired and analyzed using 405 nm excitation 522/31 nm band pass emission filters on an Attune® Acoustic Focusing Cytometer (Life Technologies, Carlsbad, CA). The histogram shows cells stained with HLADR (class II) Mouse Anti-Human Pacific Green™ Conjugate (black line), and unstained cells (gray line).

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

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