

CD154 (CD40 Ligand) Mouse Anti-Human mAb (clone 24-31), FITC Conjugate

Store at 2°C to 8°C

Pub. No. MAN0009446 Rev. 1.00

Catalog No.	Form	Amount	Excitation	Peak Emission
A18341	FITC	25 tests (5 µL/test; 0.2 µg/µL)	488 nm	519 nm

Clone	24-31
Host/Class	Mouse IgG1κ
Description	The CD154 (CD40 Ligand) Mouse Anti-Human Monoclonal Antibody (mAb) reacts with human CD154, a 39 kDa transmembrane glycoprotein belonging to the TNF superfamily. CD154 is expressed transiently by activated T cells, and is involved in T-APC cognate interaction through binding CD40 on antigen presenting B cells, monocytes/macrophages and dendritic cells. CD154 interaction with CD40 transduces signals for T-dependent B cell activation and induces B cell cycle entry. The 24-31 antibody clone cross-reacts with the cynomolgus monkey CD154.
Alternate Names	CD40L (CD40 ligand), gp39
Applications*	FC (activated 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	1. Brams, P., A. Black, et al. 2001. A humanized anti-human CD154 monoclonal antibody blocks CD154-CD40 mediated human B cell activation. <i>Int Immunopharmacol.</i> 1(2): 277-94.

* 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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