

PE anti-human CD258 (LIGHT)

Catalog # / Size: 318706 / 100 tests

Clone: T5-39

Isotype: Mouse IgG2b, κ

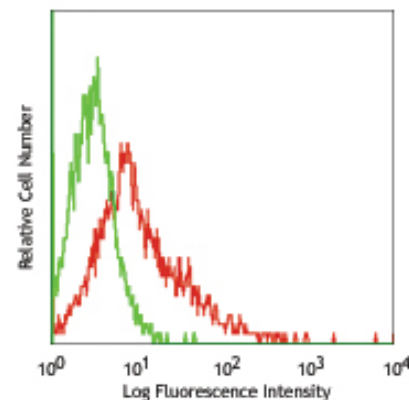
Immunogen: recombinant human LIGHT (TL5) protein

Reactivity: Human

Preparation: The antibody was purified by affinity chromatography, and conjugated with PE under optimal conditions. The solution is free of unconjugated PE and unconjugated antibody.

Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% (w/v) BSA (origin USA).

Storage: The antibody solution should be stored undiluted at 4°C and protected from prolonged exposure to light. **Do not freeze.**



*PMA/ionomycin-stimulated (day-2)
human peripheral blood lymphocytes
stained with T5-39 PE*

Applications:

Applications: FC - *Quality tested*

Recommended Usage: Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. **Test size products are transitioning from 20 μ l to 5 μ l per test.** Please check your vial or your CoA to find the suggested use of this reagent per million cells in 100 μ l staining volume or per 100 μ l of whole blood. It is recommended that the reagent be titrated for optimal performance for each application. Read more at www.biolegend.com/testsize regarding the test size change.

Description: The T5-39 antibody recognizes human LIGHT (CD258) also known as ligand for herpesvirus entry mediator, tumor necrosis factor receptor-like-2 ligand, TR2 ligand, and tumor necrosis factor ligand superfamily member 14 (TNFSF14). LIGHT is a type 2 transmembrane protein, and a member of the tumor necrosis factor ligand superfamily. LIGHT can be proteolytically cleaved and two isoforms have been shown to be produced by alternative splicing. The apparent molecular weight of LIGHT is approximately 30 kD. LIGHT expression has been observed in spleen, brain and kidney; expression is upregulated on activated T cells (particularly CD8⁺ cells). LIGHT stimulates proliferation of T cells and inhibits growth of some tumor cells. This protein has been shown to play a role in intestinal inflammation and contribute to IgA nephropathy. LIGHT is a ligand for HVEM, and LT β R and has also been shown to bind DcR3 and modulate function. In addition, LIGHT has been shown to interact with other proteins including TRAF2, TRAF3, and DIABLO. The T5-39 antibody has been shown to be useful for flow cytometry and ELISA.

Antigen References:

1. Mauri DN, *et al.* 1998. *Immunity* 8:21.
2. Harrop JA, *et al.* 1998. *J. Biol. Chem.* 273:27548.
3. Morel Y, *et al.* 2000. *J. Immunol.* 165:4397.
4. Wang J, *et al.* 2004. *J. Clin. Invest.* 113:826.
5. Yu P, *et al.* 2004. *Nature Immunol.* 5:141.

Related Products:	Product	Clone	Application
	PE Mouse IgG2b, κ Isotype Ctrl	MPC-11	FC, ICFC
	Cell Staining Buffer		FC, ICC, ICFC
	Human TruStain FcX™ (Fc Receptor Blocking Solution)		FC, ICC, ICFC



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