

CD40L / CD154 antibody [5C8] (APC)

Cat. No. GTX01484-07

Host	Mouse
Clonality	Monoclonal
Isotype	IgG2a
Applications	FCM
Reactivity	Human, Cynomolgus monkey, Rhesus Monkey

References (5)

Package

100 test

PRODUCT

Summary

The 5C8 antibody reacts with human CD154 which is also known as CD40L (CD40 ligand). CD154 is a 39kDa member of the TNF- α superfamily and is predominantly expressed on activated T cells but is also expressed on NK cells, mast cells, basophils, and eosinophils. CD154 binds to CD40, a molecule that is expressed on antigen presenting cells including B cells, monocytes/macrophages, and dendritic cells. The interaction of CD154 and CD40 regulates the activation of antigen presenting cells and is critical for B cell costimulation. The 5C8 antibody has been reported to block CD40L-CD40 interactions.

Applications

Application Note

*Optimal dilutions/concentrations should be determined by the researcher.

Suggested dilution

Recommended dilution

FCM	0.25 μ g (5 μ l) for 10^5 - 10^8 cells in 100 μ l sample per test
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Not tested in other applications.

Properties

Form	Liquid
Buffer	10mM NaH ₂ PO ₄ , 150mM NaCl, 0.1% Gelatin
Preservative	0.09% Sodium azide
Storage	Store as concentrated solution. Centrifuge briefly prior to opening vial. Store at 4°C. DO NOT FREEZE. Protect from light.
Concentration	0.05 mg/ml (Please refer to the vial label for the specific concentration.)
Purification	Purified by affinity chromatography From tissue culture supernatant
Conjugation	Allophycocyanin (APC) Wavelength

Note

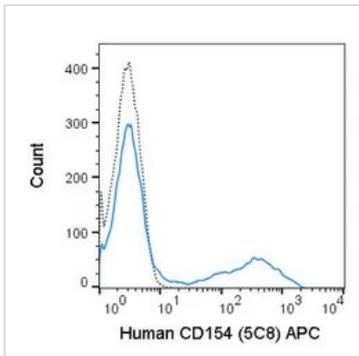
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DATA IMAGES

**GTX01484-07 FCM Image**

FACS analysis of human PBMCs (with PMA and Ionomycin stimulation for 5 hrs) using GTX01484-07 CD40L / CD154 antibody [5C8] (APC).

Solid line : primary antibody

Dashed line : isotype control

antibody amount : 0.25 μ g (5 μ l)



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