

## 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- $\alpha$  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 $\mu$ g (5 $\mu$ l) for $10^5$ - $10^8$ cells in 100 $\mu$ l sample per test

Not tested in other applications.

## Properties

Form	Liquid
Buffer	10mM NaH <sub>2</sub> PO <sub>4</sub> , 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) <a href="#">Wavelength</a>

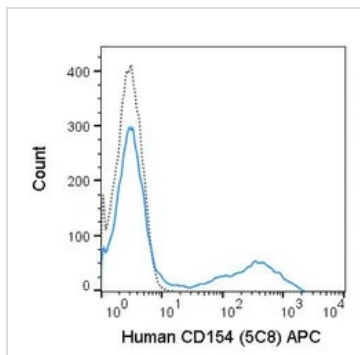
## Note

For laboratory research use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption.

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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  $\mu$ g (5  $\mu$ l)



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