

## CD40L / CD154 antibody [5C8] (PE)

Cat. No. GTX01484-08

Host	Mouse
Clonality	Monoclonal
Isotype	IgG2a
Application	FACS
Reactivity	Human, Cynomolgus monkey, Rhesus Monkey

Reference ( 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.

## APPLICATION

## Application Note

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

Suggested dilution	Recommended dilution
FACS	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.

Calculated MW	29 kDa. ( <a href="#">Note</a> )
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## 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	Phycoerythrin (PE)

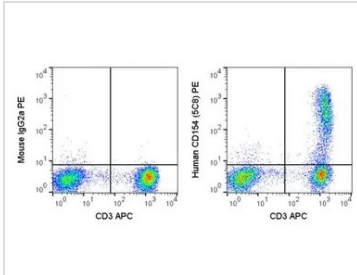


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**Note**

Purchasers shall not, and agree not to enable third parties to, analyze, copy, reverse engineer or otherwise attempt to determine the structure or sequence of the product.

**DATA IMAGES**

**GTx01484-08 FACS Image**

FACS analysis of human PBMCs (with PMA and Ionomycin stimulation for 5 hrs) using GTx01484-08 CD40L / CD154 antibody [5C8] (PE).

Right panel : primary antibody

Left panel : isotype control

antibody amount : 0.25µg (5 µl)



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