

CD40L / CD154 antibody [MR1] (Biotin)

Cat. No. GTX01485-02

Host	Armenian Hamster
Clonality	Monoclonal
Isotype	IgG
Applications	FCM
Reactivity	Mouse

References (4)

Package

100 µg

PRODUCT

Summary

The MR1 antibody is specific for mouse CD154, a 39 kD glycoprotein that is primarily expressed on activated T cells. CD154 (CD40 ligand, gp39) binds to CD40 expressed on antigen presenting cells and mediates important costimulatory functions between these cells. Signals generated via cognate interactions between CD154-CD40 on activated T and B cells are required for T-dependent B cell responses. The MR1 antibody is reported to block interaction of CD154 with CD40.

Applications

Application Note

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

Suggested dilution

Recommended dilution

FCM

Assay dependent

Note : For detection of CD154 on in vitro activated T cells, it is recommended that T cells be enriched using a depletion strategy prior to stimulation.

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	0.5 mg/ml (Please refer to the vial label for the specific concentration.)
Purification	Purified by affinity chromatography From tissue culture supernatant
Conjugation	Biotin

Note

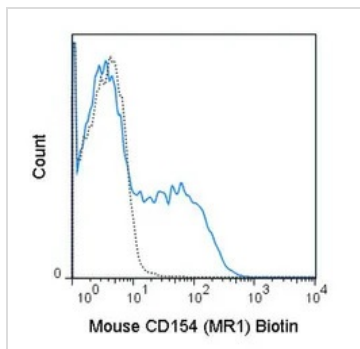
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DATA IMAGES



GTX01485-02 FCM Image

FACS analysis of mouse C57Bl/6 T cells (enriched from total splenocytes, with PMA and Ionomycin stimulation for 6 hrs) using GTX01485-02 CD40L / CD154 antibody [MR1] (Biotin).

Solid line : primary antibody

Dashed line : isotype control

antibody amount : 0.25 μ g (5 μ l)



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