

Anti-Ms CD154 Purified CD40LG Monoclonal Antibody

Catalog Number: M01114-1

About CD40LG

CD154 / CD40L (CD40 ligand) is a member of the tumor necrosis factor family, and is expressed primarily on activated CD4+ lymphocytes, but also on mast cells, basophils, eosinophils and human dendritic cells. Its counter-receptor CD40 is expressed on antigen presenting cells, including dendritic cells, macrophages, and B cells, and also on fibroblasts. Triggering of CD40 by CD40L causes maturation of dendritic cells and upregulation of antigen presentation in functions of the MHC and costimulatory molecules. CD40L also functions as a direct stimulating factor for T cells. CD40L plays also roles e.g. in antibody class switching and modulation of apoptosis in the germinal center.

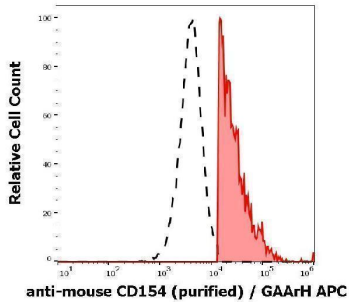
Overview

Product Name	Anti-Ms CD154 Purified CD40LG Monoclonal Antibody
Reactive Species	Mouse
Description	Boster Bio Anti-Ms CD154 Purified CD40LG Monoclonal Antibody (Catalog# M01114-1). Tested in Flow Cytometry, IP, IHC, ICC application(s). This antibody reacts with Mouse.
Application	Flow Cytometry, IP, IHC, ICC
Clonality	Monoclonal MR-1
Formulation	Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Storage Instructions	Store at 2-8°C. Do not freeze.
Host	Hamster
Uniprot ID	P29965

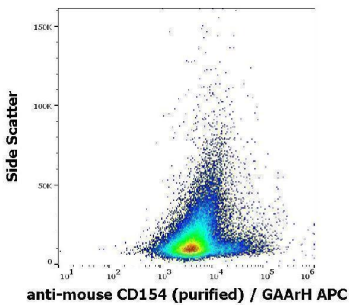
Technical Details

Immunogen	Activated mouse Th1 clone D1.6. The Armenian hamster monoclonal antibody MR-1 detects an extracellular epitope on murine CD154 / CD40L (CD40-ligand), a 39 kDa cell surface type II glycoprotein expressed predominantly on activated CD4+ lymphocytes.
Isotype	Armenian Hamster IgG1
Form	Liquid
Concentration	1 mg/ml
Purification	Purified by protein-A affinity chromatography.
Suggested Dilutions	Flow cytometry: 4 ug/ml; positive control: 6-8 hour activated mouse splenocytes.

Anti-Ms CD154 Purified CD40LG Monoclonal Antibody (M01114-1) Images



Separation of CD154 positive cells (red-filled) from CD154 negative cells (black-dashed) in flow cytometry analysis (surface staining) of murine PMA, ionomycin and LPS stimulated splenocytes stained using anti-mouse CD154 (MR-1) purified antibody (concentration in sample 3 µg/ml, GAARH APC).



Flow cytometry surface staining pattern of murine PMA, ionomycin and LPS stimulated splenocytes stained using anti-mouse CD154 (MR-1) purified antibody (concentration in sample 3 µg/ml, GAARH APC).

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