

Datasheet for ABIN7278204
anti-CD40 Ligand antibody (FITC)



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1 Image

Overview

Quantity:	100 µg
Target:	CD40 Ligand (CD40LG)
Reactivity:	Mouse
Host:	Armenian Hamster
Clonality:	Monoclonal
Conjugate:	This CD40 Ligand antibody is conjugated to FITC
Application:	Flow Cytometry (FACS)

Product Details

Clone:	MR1
Isotype:	IgG
Purification:	This monoclonal antibody was purified from tissue culture supernatant via affinity chromatography. The purified antibody was conjugated under optimal conditions, with unreacted dye removed from the preparation. It is recommended to store the product undiluted at 4°C, and protected from prolonged exposure to light. Do not freeze.

Target Details

Target:	CD40 Ligand (CD40LG)
Alternative Name:	CD154 (CD40LG Products)
Background:	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

Target Details

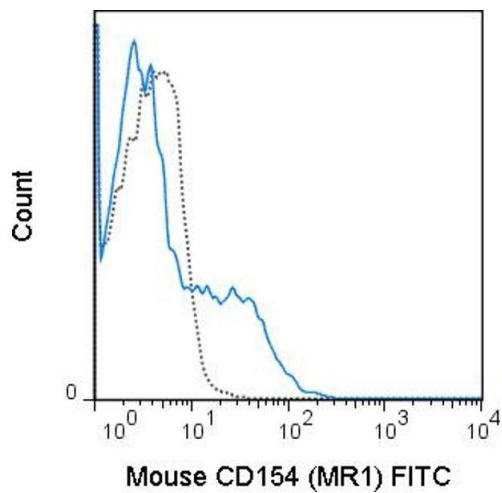
	cells and mediates important costimulatory functions between these cells. Signals generated via cognate interactions between CD154-CD40 on activated T and B cells are required for T-dependent B cell responses. The MR1 antibody is reported to block interaction of CD154 with CD40.
Gene ID:	21947
UniProt:	P27548
Pathways:	NF-kappaB Signaling , Production of Molecular Mediator of Immune Response , Cancer Immune Checkpoints

Application Details

Application Notes:	This antibody preparation has been quality-tested for flow cytometry using mouse spleen cells, or an appropriate cell type (where indicated). The amount of antibody required for optimal staining of a cell sample should be determined empirically in your system.
Comment:	0.5 mg/mL
Restrictions:	For Research Use only

Handling

Buffer:	10 mM NaH ₂ PO ₄ , 150 mM NaCl, 0.09 % Sodium azide, 0.1 % gelatin, pH 7.2
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C
Storage Comment:	2-8°C protected from light
Expiry Date:	12 months



Flow Cytometry

Image 1. C57Bl/6 T cells, enriched from total splenocytes, were stimulated with PMA and ionomycin for 6 hours and stained with 0.25 µg FITC Anti-Mouse CD154 (ABIN6961409) (solid line) or 0.25 µg FITC Armenian Hamster IgG isotype control (dashed line).