

Datasheet for ABIN7076852

anti-CD40 Ligand antibody (iFluor™488)



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Overview

Quantity:	100 tests
Target:	CD40 Ligand (CD40LG)
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CD40 Ligand antibody is conjugated to iFluor™488
Application:	Flow Cytometry (FACS)

Product Details

Purpose:	CD154 iFluor 488 Antibody
Immunogen:	Human D1.1 T cell line
Clone:	5C8
Isotype:	IgG2a, kappa
Characteristics:	The clone 5C8, a mouse monoclonal antibody, specifically recognizes a ~30-33 kDa activation-induced human CD4+ T cells surface molecule known as CD154 or CD40 ligand (CD40L). The CD40 interacts with CD154 through T cell-B cell activating molecule, gp39, TNF cytokine related activation protein. CD154 is primarily expressed on the surface of activated CD4+ T cells but can also be expressed by platelets, mast cells, macrophages, basophils, NK cells, B cells, CD8+ T cells as well as non-hematopoietic cells including smooth muscle cells, endothelial cells, and epithelial cells. CD154 plays important roles in the pathogenesis of certain blood cancer such as the CD4+ T cells of patients with CLL fail to express surface CD154 antigen even after CD3

Product Details

ligation, and proximal and distal activation events are required for the neonatal CD4+ T cells for the CD154 gene transcription to establish the normal immune system.

Purification: Purified

Purity: >95 %

Grade: GMP Grade

Target Details

Target: CD40 Ligand (CD40LG)

Alternative Name: CD154 ([CD40LG Products](#))

Gene ID: 595

UniProt: [P29965](#)

Pathways: [NF-kappaB Signaling](#), [Production of Molecular Mediator of Immune Response](#), [Cancer Immune Checkpoints](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

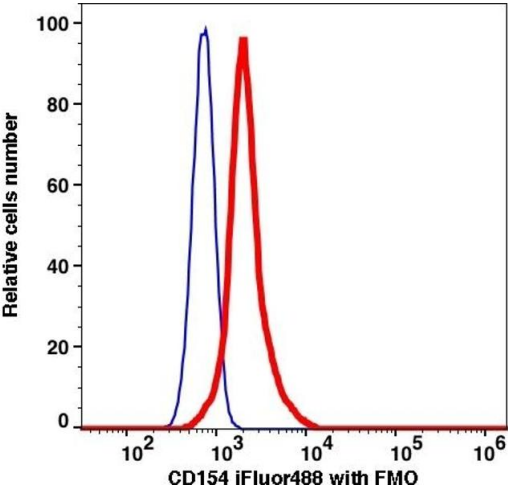
Buffer: PBS pH 7.2, 0.2 % (w/v) BSA, 0.09 % (w/v) sodium azide

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, Conjugated antibodies should never be frozen.



Flow Cytometry

Image 1.