

Datasheet for ABIN7271841
anti-CD40 Ligand antibody



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Overview

Quantity:	100 µg
Target:	CD40 Ligand (CD40LG)
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CD40 Ligand antibody is un-conjugated
Application:	Flow Cytometry (FACS)

Product Details

Purpose:	CD154 Unconjugated 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, 0.1 % (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