

Datasheet for ABIN7278336
anti-CD40 Ligand antibody (PE)



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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 PE
Application:	Flow Cytometry (FACS)

Product Details

Clone:	5C8
Isotype:	IgG2a kappa
Cross-Reactivity:	Cynomolgus, Rhesus Monkey
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 (CD40L) (CD40LG Products)
Background:	The 5C8 antibody reacts with human CD154 which is also known as CD40L (CD40 ligand).

Target Details

CD154 is a 39 kDa member of the TNF superfamily and is predominantly expressed on activated T cells but is also expressed on NK cells, mast cells, basophils, and eosinophils. CD154 binds to CD40, a molecule that is expressed on antigen presenting cells including B cells, monocytes/macrophages, and dendritic cells. The interaction of CD154 and CD40 regulates the activation of antigen presenting cells and is critical for B cell costimulation. The 5C8 antibody has been reported to block CD40L-CD40 interactions.

Gene ID: 959

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

Application Details

Application Notes: This antibody preparation has been pre-titrated and quality-tested for flow cytometry using an appropriate cell type. The antibody has been diluted for use at 5 µL per test, defined as the amount of antibody that will stain a cell sample in a final volume of approximately 100 µL. The number of cells within a sample should be determined empirically, but typically ranges between 1x10⁵ to 1x10⁸ cells.

Comment: 5µl (0.25µg)/test

Restrictions: For Research Use only

Handling

Buffer: 10 mM NaH₂PO₄, 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