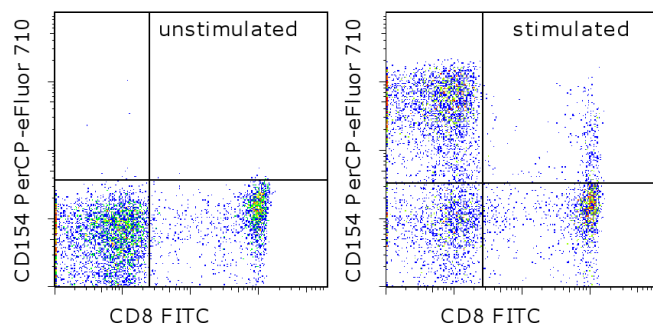


Anti-Human CD154 (CD40 Ligand) PerCP-eFluor® 710

Catalog Number: 46-1548

Also known as: CD40L

RUO: For Research Use Only. Not for use in diagnostic procedures.



Staining of human peripheral blood cells unstimulated (left) or stimulated for 5 hours with Cell Stimulation Cocktail (500X) (cat. 00-4970) (right) with Anti-Human CD8a FITC (cat. 11-0088) and Anti-Human CD154 (CD40 Ligand) PerCP-eFluor® 710 (right). Cells in the lymphocyte gate were used for analysis.

Product Information

Contents: Anti-Human CD154 (CD40 Ligand) PerCP-eFluor® 710

Catalog Number: 46-1548

Clone: 24-31

Concentration: 5 µL (0.06 µg)/test

Host/Isotype: Mouse IgG1, kappa

HLDA Workshop: N/A

Formulation: aqueous buffer, 0.09% sodium azide, contains stabilizer if necessary

Temperature Limitation: Store at 2-8°C. Do not freeze. Light-sensitive material.

Batch Code: Refer to vial

Use By: Refer to vial

Description

The 24-31 monoclonal antibody reacts with human CD154, a 39 kDa transmembrane glycoprotein also known as gp39 and CD40 ligand (CD40L). CD154 is a member of the TNF superfamily and is expressed transiently by activated T cells. Through its binding to CD40 on antigen presenting cells including B cells, monocytes/macrophages and dendritic cells, CD154 serves a crucial function in T-APC cognate interaction. CD154 interaction with CD40 transduces signals for T-dependent B-cell activation and induces B cell cycle entry. 24-31 cross-reacts with the cynomolgus monkey CD154.

Applications Reported

This 24-31 antibody has been reported for use in flow cytometric analysis.

Applications Tested

This 24-31 antibody has been pre-titrated and tested by flow cytometric analysis of stimulated normal human peripheral blood cells. This can be used at 5 µL (0.06 µg) per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10⁵ to 10⁸ cells/test.

PerCP-eFluor® 710 can be used in place of PE-Cy5, PE-Cy5.5 or PerCP-Cy5.5. PerCP-eFluor® 710 emits at 710 nm and is excited with the blue laser (488 nm). Please make sure that your instrument is capable of detecting this fluorochrome. For a filter configuration, we recommend using the 685 LP dichroic mirror and 710/40 band pass filter, however the 695/40 band pass filter is an acceptable alternative.

Our testing indicates that PerCP-eFluor® 710 conjugated antibodies are stable when stained samples are exposed to freshly prepared 2% formaldehyde overnight at 4°C, but please evaluate for alternative fixation protocols.

Click here or contact eBioscience Technical Support for more information on eFluor™ Organic Dyes including PerCP-eFluor® 710.

Not for further distribution without written consent.

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References

Brams, P., A. Black, et al. 2001. A humanized anti-human CD154 monoclonal antibody blocks CD154-CD40 mediated human B cell activation. *Int Immunopharmacol* 1(2): 277-94.

Related Products

11-0088 Anti-Human CD8a FITC (RPA-T8)

46-4714 Mouse IgG1 K Isotype Control PerCP-eFluor® 710 (P3.6.2.8.1)