10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Anti-CD154-AcalephFluor488-labled

Catalog # AP100980

Product Information

Application	FC, IF/IC
Primary Accession	P27548
Reactivity	Mouse
Clonality	Monoclonal
Calculated MW	29370

Additional Information

Gene ID	21947
Other Names	CD40L; TNFSF5; TRAP; CD40 ligand; CD40-L; T-cell antigen Gp39; TNF-related activation protein; TRAP; Tumor necrosis factor ligand superfamily member 5; CD154
Target/Specificity	Recognizes mouse CD154
Dilution	FC~~1:10~50 IF/IC~~N/A
Format	Armenian Hamster IgG3. Liquid in PBS, pH 7.3, 0.2% BSA, and 0.02% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

Name	Cd40lg
Synonyms	Cd40l, Tnfsf5
Function	Cytokine that acts as a ligand to CD40/TNFRSF5 (By similarity). Costimulates T-cell proliferation and cytokine production (By similarity). Its cross-linking on T-cells generates a costimulatory signal which enhances the production of IL4 and IL10 in conjunction with the TCR/CD3 ligation and CD28 costimulation (By similarity). Induces the activation of NF-kappa-B (By similarity). Induces the activation of kinases MAPK8 and PAK2 in T-cells (By similarity). Mediates B-cell proliferation in the absence of co-stimulus as well as IgE production in the presence of IL4 (PubMed:1374165). Involved in immunoglobulin class switching (PubMed:1374165).
Cellular Location	Cell membrane {ECO:0000250|UniProtKB:P29965}; Single-pass type II membrane protein {ECO:0000250|UniProtKB:P29965} Cell surface {ECO:0000250|UniProtKB:P29965}

Tissue Location	Specifically expressed on activated CD4+ T- lymphocytes

Background

AcalephFluor488-labled armenian hamster monoclonal antibody to CD154

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.