

Anti-CD154 Antibody

Catalog # AP95482

Product Information

Application	WB, FC, IF/IC
Primary Accession	P29965
Reactivity	Human
Host	Mouse
Clonality	Monoclonal (clone: M91)
Calculated MW	29274

Additional Information

Gene ID	959
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; CD antigen CD154)
Target/Specificity	Native purified human CD154.
Dilution	WB~~WB (1/500 - 1/1000) FC~~FC (1/500 - 1/2000) IF/IC~~N/A
Format	Mouse IgG1. Liquid in PBS, pH 7.3, and 0.02% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

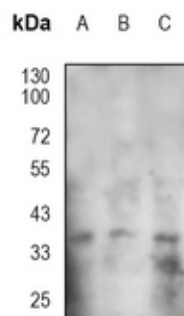
Protein Information

Name	CD40LG
Synonyms	CD40L, TNFSF5, TRAP
Function	Cytokine that acts as a ligand to CD40/TNFRSF5 (PubMed: 1280226 , PubMed: 31331973). Costimulates T-cell proliferation and cytokine production (PubMed: 8617933). 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 (PubMed: 8617933). Induces the activation of NF-kappa-B (PubMed: 15067037 , PubMed: 31331973). Induces the activation of kinases MAPK8 and PAK2 in T-cells (PubMed: 15067037). Induces tyrosine phosphorylation of isoform 3 of CD28 (PubMed: 15067037). Mediates B-cell proliferation in the absence of co-stimulus as well as IgE production in the presence of IL4 (By similarity). Involved in immunoglobulin class switching (By similarity).
Cellular Location	Cell membrane; Single-pass type II membrane protein. Cell surface

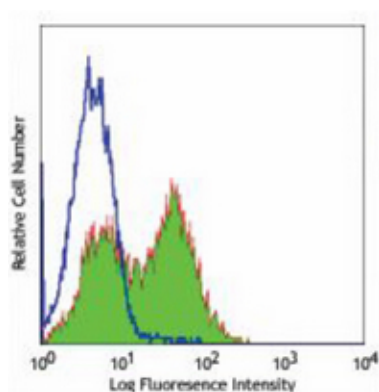
Tissue Location

Specifically expressed on activated CD4+ T- lymphocytes

Images



Western blot analysis of CD154 expression in A2780 (A), U87 (B), A375 (C) whole cell lysates. (Predicted band size: 29 kD; Observed band size: 36 kD)



Flow cytometric analysis of PBMC cells treated with PHA and Ionomycin for 5 hours using Anti-CD154 Antibody, followed by anti-mouse IgG PE.

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