

Recombinant CD40 Ligand / CD154 / TRAP1 (Activation Marker of T-Lymphocytes) Antibody

Rabbit Monoclonal Antibody [Clone CD40LG/13052R]

Catalog No	Format	Size
959-RBM18-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
959-RBM18-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
959-RBM18-P1ABX	Purified Ab WITHOUT BSA or Azide at 1.0mg/ml	100 ug

Applications	Tested Dillution	Note
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Product Details

Clone	CD40LG/13052R
Immunogen	Recombinant full-length human CD40 Ligand protein
Host	Rabbit
Clonality	Monoclonal
Isotype / Light Chain	IgG / Kappa
Mol. Weight of Antigen	29.27kDa
Cellular Localization	Cell membrane, Cell surface, Secreted
Species Reactivity	Human
Positive Control	Specifically expressed on activated CD4+ T-lymphocytes

*Optimal dilution for a specific application should be determined.

Product Images for Recombinant CD40 Ligand / CD154 / TRAP1 (Activation Marker of T-Lymphocytes) Antibody

Specificity & Comments

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)., Acts as a ligand for integrins, specifically ITGA5:ITGB1 and ITGAV:ITGB3; both integrins and the CD40 receptor are required for activation of CD40-CD40LG signaling, which have cell-type dependent effects, such as B-cell activation, NF-kappa-B signaling and anti-apoptotic signaling.

Supplied As

200ug/ml of Ab produced in a mammalian-based expression system. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8 °C. Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis. There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.