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Anti-TNFSF5 / CD40L / CD154 Reference Antibody (letolizumab)

Recombinant Antibody
Catalog # APR10637

Specification

Anti-TNFSF5 / CD40L / CD154 Reference Antibody (letolizumab) - Product Information

Application	**FC, Kinetics, Animal Model**
Primary Accession	P29965
Reactivity	**Human, Mouse**
Clonality	**Monoclonal**
Isotype	**IgG1**
Calculated MW	**39 KDa**

Anti-TNFSF5 / CD40L / CD154 Reference Antibody (letolizumab) - Additional Information

Target/Specificity
TNFSF5 / CD40L / CD154

Endotoxin
< 0.001EU/ μg,determined by LAL method.

Conjugation
Unconjugated

Expression system
CHO Cell

Format
Purified monoclonal antibody supplied in PBS, pH6.0, without preservative.This antibody is purified through a protein A column.

Anti-TNFSF5 / CD40L / CD154 Reference Antibody (letolizumab) - 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:<a href="http://www.uniprot.org/citations/31331973"

target="_blank">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

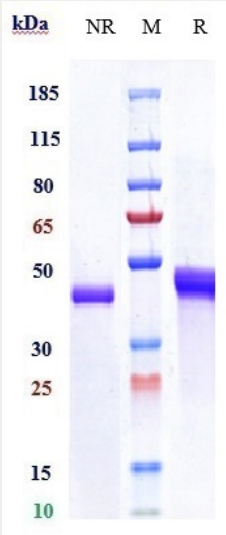
Tissue Location
Specifically expressed on activated CD4+ T- lymphocytes

Anti-TNFSF5 / CD40L / CD154 Reference Antibody (letolizumab) - Protocols

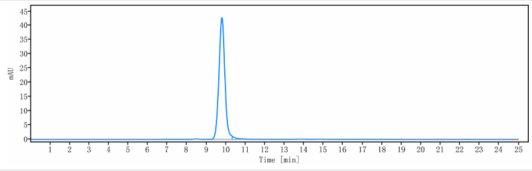
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-TNFSF5 / CD40L / CD154 Reference Antibody (letolizumab) - Images



Anti-TNFSF5 / CD40L / CD154 Reference Antibody (letolizumab) on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 95%



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The purity of Anti-TNFSF5 / CD40L / CD154 Reference Antibody (letolizumab)is more than 98.32% ,determined by SEC-HPLC.