

CD40L Antibody (N-Terminus)
Rabbit Polyclonal Antibody
Catalog # ALS16330**Specification**

CD40L Antibody (N-Terminus) - Product Information

Application	IHC
Primary Accession	P29965
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	29kDa KDa

CD40L Antibody (N-Terminus) - Additional Information**Gene ID** 959**Other Names**

CD40 ligand, CD40-L, T-cell antigen Gp39, TNF-related activation protein, TRAP, Tumor necrosis factor ligand superfamily member 5, CD154, CD40 ligand, membrane form, CD40 ligand, soluble form, CD40LG, CD40L, TNFSF5, TRAP

Target/Specificity

Human, mouse, rat. No cross reactivity with other proteins.

Reconstitution & Storage

Short term +4°C; Long term -20°C

Precautions

CD40L Antibody (N-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

CD40L Antibody (N-Terminus) - 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)

target="_blank">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

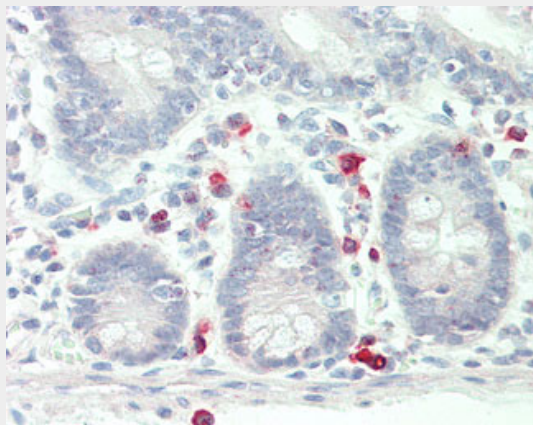
Volume

50 µl

CD40L Antibody (N-Terminus) - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

CD40L Antibody (N-Terminus) - Images

Human Small Intestine: Formalin-Fixed, Paraffin-Embedded (FFPE)

CD40L Antibody (N-Terminus) - Background

Mediates B-cell proliferation in the absence of co- stimulus as well as IgE production in the presence of IL-4. Involved in immunoglobulin class switching.

CD40L Antibody (N-Terminus) - References

Graf D.,et al.Eur. J. Immunol. 22:3191-3194(1992).
Hollenbaugh D.,et al.EMBO J. 11:4313-4321(1992).
Aruffo A.,et al.Cell 72:291-300(1993).
Spriggs M.K.,et al.J. Exp. Med. 176:1543-1550(1992).
Gauchat J.-F.,et al.FEBS Lett. 315:259-266(1993).