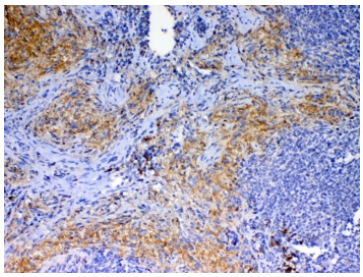
Cd40l Antibody (RQ4071)

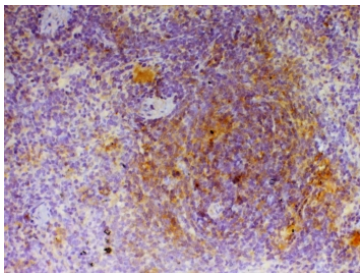
Catalog No.	Formulation	Size
RQ4071	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

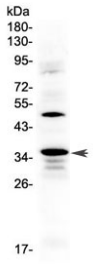
Availability	1-3 business days
Species Reactivity	Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
UniProt	P27548
Localization	Cytoplasmic, membranous
Applications	0.5-1ug/ml1-2ug/ml0.1-0.5ug/ml
Limitations	This Cd40l antibody is available for research use only.



IHC testing of FFPE mouse spleen tissue with Cd40l antibody at 1ug/ml. Required HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to testing.



IHC testing of FFPE rat spleen tissue with Cd40l antibody at 1ug/ml. Required HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to testing.



Western blot testing of rat spleen lysate with Cd40l antibody at 0.5ug/ml. Expected molecular weight: 29-39 kDa (depending on glycosylation level) or ~18 kDa (soluble form).

Description

CD40 ligand (CD40L), also called TRAP and CD154, is a type II membrane protein of 261 amino acids on activated T cells that induces B cell proliferation and immunoglobulin secretion. It has homology with tumour necrosis factor-alpha and -beta, and has important functions in B-cell activation and differentiation. Human CD40L with 5 exons, is mapped to the proximal region of the mouse X chromosome on Xq26.3-27.1, and can be detected on T cells but is absent from B cells and monocytes. Since CD40L is expressed on platelets and released from them on activation, its predictive value as a marker for clinical outcome and the therapeutic effect of inhibition of glycoprotein IIb /IIIa receptor in patients with acute coronary syndromes was investigated. The soluble CD40L may be involved in the process of restenosis and that it exerts its effect by triggering a complex group of inflammatory reactions on endothelial and mononuclear cells.CD40L plays a central role in the pathophysiology of acute coronary syndromes, and has a role in the pathogenesis of coronary artery lesions.

CD40L, also known as CD154 and TNFSF5, mediates immune costimulatory signaling through CD40; additional information on this pathway and target biology is available on the CD40 Ligand Antibody page.

Application Notes

Optimal dilution of the Cd40l antibody should be determined by the researcher.

Immunogen

A recombinant mouse partial protein corresponding to amino acids E107-L260 was used as the immunogen for the Cd40l antibody.

Storage

After reconstitution, the Cd40l antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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