

# CD40L Antibody / TRAP / CD154 (RQ4900)

Catalog No.	Formulation	Size
RQ4900	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

#### **Bulk quote request**

Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
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	P29965
Applications	Western Blot : 0.5-1ug/ml
Limitations	This CD40L antibody is available for research use only.



Western blot testing of 1) human HL-60, 2) human U-87 MG, 3) rat liver, 4) rat stomach, 5) mouse spleen and 6) mouse thymus 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) 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.

## **Application Notes**

Optimal dilution of the CD40L antibody should be determined by the researcher.

#### **Immunogen**

Amino acids KEETKKENSFEMQKGDQNPQIAAHVISEA from the human protein were 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.