

Anti-CD40L/CD40LG Antibody Picoband® APC Conjugated

Catalog Number: A01114-3-APC

About CD40LG

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- α and - β , 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.

Overview

Product Name	Anti-CD40L/CD40LG Antibody Picoband® APC Conjugated
Reactive Species	Human, Mouse, Rat
Application	Recommended applications are based on the parent unconjugated antibody (WB). Customers may select suitable applications according to their experimental needs.
Clonality	Polyclonal
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na ₂ HPO ₄ , 0.02% NaN ₃ .
Storage Instructions	At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.
Host	Rabbit
Uniprot ID	P29965

Technical Details

Immunogen	A synthetic peptide corresponding to a sequence in the middle region of human CD40L/CD40LG, which shares 82.8% and 79.3% amino acid (aa) sequence identity with mouse and rat CD40L/CD40LG, respectively.
Cross Reactivity	No cross-reactivity with other proteins.
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.

Conjugate	APC Excitation Wavelength: 633-647 nm Emission Wavelength: 660 nm
Suggested Dilutions	Optimal dilutions should be determined by end users.

1 Publications Citing This Product

1. PubMed ID: 19204010, Yang G, Fang Z, Liu Y, Zhang H, Shi X, Ji Q, Lin Q, Lin R. Evid Based Complement Alternat Med. 2011;2011:930324. Doi: 10.1093/Ecam/Nep013. Epub 2011 Jun 5. Protective Effects Of Chinese Traditional Medicine Buyang Huanwu Decoction On Myocardial In...

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