



Product Information Sheet

Polyclonal Anti-CD40L

Catalogue No. PA1020

Lot No. 09J02

Ig type: rabbit IgG

Size: 100µg/vial

Specificity

Human, mouse, rat.

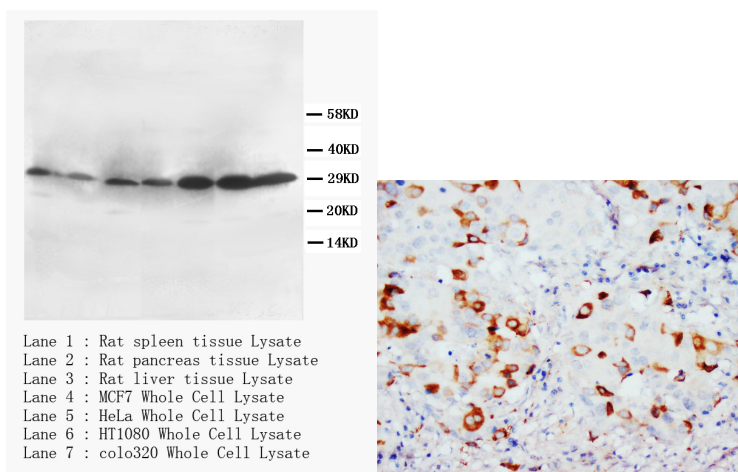
No cross reactivity with other proteins.

Recommended application

Western blot

Immunohistochemistry(P)

Immunocytochemistry



Immunogen

A synthetic peptide corresponding to a sequence at the N-terminal of human CD40L, different from the relative mouse sequence by three amino acids, rat sequence by four amino acids.

Purity

Immunogen affinity purified.

Application

	Concen- tration	Tested Species	Concluded Species	Antigen Retrieval
WB	1µg/ml	Hu, Rat	Ms	-
IHC-P	1µg/ml	Hu, Rat	Ms	By Heat
IHC-F	-	-	-	-
ICC	1µg/ml	Hu, Rat	Ms	-

Other applications have not been tested.

Optimal dilutions should be determined by end user.

Contents

Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na₂HPO₄, 0.05mg Thimerosal, 0.05mg NaN₃.

Reconstitution

0.2ml of distilled water will yield a concentration of 500µg/ml.

Storage

At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for longer time.

To reorder contact us at:

Antagene, Inc.

Toll Free: 1(866)964-2589

email: Info@antageneinc.com

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BACKGROUND

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.

REFERENCE

- 1.Allen,R.C.;Armitage,R.J.;Conley,M.E.;Rosenblatt,H.;Jenkins,N.A.;Copeland,N.G.;Bedell,M.A.;Edelhoff,S.;Disteche,C.M.;Simoneaux,D.K.;Fanslow,W.C.;Belmont,J.;Spriggs,M.K.:CD40 ligand gene defects responsible for X-linked hyper-IgM syndrome. Science 259: 990-993, 1993.
- 2.Cipollone,F.;Ferri,C.;Desideri,G.;Paloscia,L.;Materazzo,G.;Mascellanti,M.;Fazia,M.;Iezzi,A.;Cuccurullo,C.;Pini,B.;Bucci,M.;Santucci,A.;Cuccurullo,F.;Mezzetti,A.:Preprocedural level of soluble CD40L is predictive of enhanced inflammatory response and restenosis after coronary angioplasty. Circulation 108: 2776-2782, 2003.