

Datasheet for ABIN674439

anti-CD40 Ligand antibody (AA 31-150)[2 Images](#)[2 Publications](#)[Go to Product page](#)

Overview

Quantity:	100 µL
Target:	CD40 Ligand (CD40LG)
Binding Specificity:	AA 31-150
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CD40 Ligand antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human CD40L/CD154
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Purification:	Purified by Protein A.

Target Details

Target:	CD40 Ligand (CD40LG)
Alternative Name:	CD40L/CD154 (CD40LG Products)

Target Details

Background:	<p>Synonyms: IGM, IMD3, TRAP, gp39, CD154, CD4L, HIGM1, T-BAM, TNFSF5, hCD4L, CD4 ligand, CD4-L, T-cell antigen Gp39, TNF-related activation protein, Tumor necrosis factor ligand superfamily member 5, CD4LG</p> <p>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. Release of soluble CD4L from platelets is partially regulated by GP IIb/IIIa, actin polymerization, and an matrix metalloproteinases (MMP) inhibitor-sensitive pathway.</p>
Gene ID:	959
UniProt:	P29965
Pathways:	NF-kappaB Signaling , Production of Molecular Mediator of Immune Response , Cancer Immune Checkpoints

Application Details

Application Notes:	<p>WB 1:300-5000</p> <p>ELISA 1:500-1000</p> <p>FCM 1:20-100</p> <p>IHC-P 1:200-400</p> <p>IHC-F 1:100-500</p> <p>IF(IHC-P) 1:50-200</p> <p>IF(IHC-F) 1:50-200</p> <p>IF(ICC) 1:50-200</p>
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C

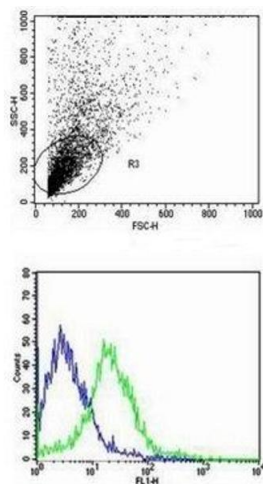
Handling

Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

Publications

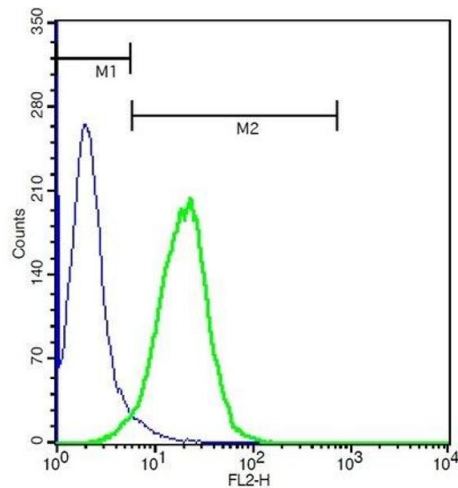
Product cited in:	<p>Zhang, Song, Shu, Li, Wu, Wang, Chen, Chang, Wu, Zhang, Wei: "BAFF upregulates CD28/B7 and CD40/CD154 expression and promotes mouse T and B cell interaction in vitro via BAFF receptor." in: Acta pharmacologica Sinica, Vol. 37, Issue 8, pp. 1101-9, (2016) (PubMed).</p> <p>Rui-Kai, Jian: "Effects of xinfeng capsules on expression of platelet granule membrane protein 140 and platelet cluster of differentiation 40 ligand in peripheral blood of adjuvant arthritis rats." in: International journal of rheumatology, Vol. 2012, pp. 139696, (2012) (PubMed).</p>
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Images



Flow Cytometry

Image 1. Rat spleen cells probed with Rabbit Anti-CD40L Polyclonal Antibody Alexa Fluor 488 Conjugated Secondary Antibody.



Flow Cytometry

Image 2. U937 cells probed with Rabbit Anti-CD40L Polyclonal Antibody (ABIN674439) at 1:100 for 40 minutes followed by incubation with Goat Anti-Rabbit IgG PE conjugated secondary at 1:100 (green) for 40 minutes compared to control cells (blue).