

Datasheet for ABIN7425704

## anti-CD40 Ligand antibody (AA 48-244)



[Go to Product page](#)

### 2 Images

#### Overview

|                      |                                                                                                        |
|----------------------|--------------------------------------------------------------------------------------------------------|
| Quantity:            | 100 µL                                                                                                 |
| Target:              | CD40 Ligand (CD40LG)                                                                                   |
| Binding Specificity: | AA 48-244                                                                                              |
| Reactivity:          | Human                                                                                                  |
| Host:                | Mouse                                                                                                  |
| Clonality:           | Monoclonal                                                                                             |
| Conjugate:           | This CD40 Ligand antibody is un-conjugated                                                             |
| Application:         | Western Blotting (WB), Immunohistochemistry (IHC), Immunoprecipitation (IP), Immunocytochemistry (ICC) |

#### Product Details

|                   |                                                                                                                                                                                 |
|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Purpose:          | Monoclonal Antibody to Cluster Of Differentiation 40 Ligand (CD40L)                                                                                                             |
| Immunogen:        | Recombinant Cluster Of Differentiation 40 Ligand (CD40L) corresponding to Arg48~Pro244 with N-terminal His Tag                                                                  |
| Clone:            | C3                                                                                                                                                                              |
| Isotype:          | IgG2b kappa                                                                                                                                                                     |
| Specificity:      | The antibody is a mouse monoclonal antibody raised against CD40L. It has been selected for its ability to recognize CD40L in immunohistochemical staining and western blotting. |
| Cross-Reactivity: | Pig                                                                                                                                                                             |
| Purification:     | Protein A + Protein G affinity chromatography                                                                                                                                   |

## Target Details

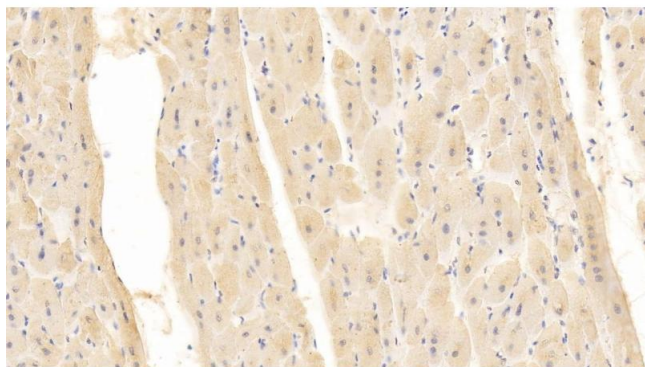
|                   |                                                                                                                                                                           |
|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Target:           | CD40 Ligand (CD40LG)                                                                                                                                                      |
| Alternative Name: | CD40L ( <a href="#">CD40LG Products</a> )                                                                                                                                 |
| Background:       | CD154, TRAP, HIGM1, IGM, IMD3, TBAM, T-BAM, TNFSF5, Gp39, TNF Superfamily Member 5, Hyper-IgM Syndrome, TNF-Related Activation Protein, T-Cell B-Cell Activating Molecule |
| UniProt:          | <a href="#">P29965</a>                                                                                                                                                    |
| Pathways:         | <a href="#">NF-kappaB Signaling</a> , <a href="#">Production of Molecular Mediator of Immune Response</a> , <a href="#">Cancer Immune Checkpoints</a>                     |

## Application Details

|                    |                                                                                                                                                                                                                                                                                                                                     |
|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Application Notes: | Western blotting: 0.5-2 µg/mL, Immunohistochemistry: 5-20 µg/mL, Immunocytochemistry: 5-20 µg/mL, Optimal working dilutions must be determined by end user.                                                                                                                                                                         |
| Comment:           | The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition. |
| Restrictions:      | For Research Use only                                                                                                                                                                                                                                                                                                               |

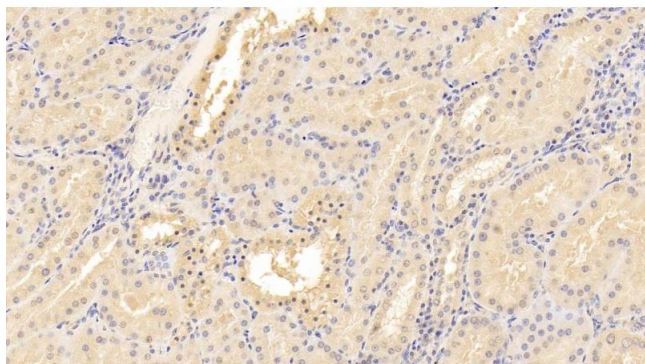
## Handling

|                    |                                                                                                                                                                 |
|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Format:            | Liquid                                                                                                                                                          |
| Concentration:     | 1 mg/mL                                                                                                                                                         |
| Buffer:            | PBS, pH 7.4, containing 0.02 % Sodium azide, 50 % glycerol.                                                                                                     |
| Preservative:      | ProClin, Sodium azide                                                                                                                                           |
| Precaution of Use: | This product contains ProClin and Sodium azide: POISONOUS AND HAZARDOUS SUBSTANCES which should be handled by trained staff only.                               |
| Storage:           | 4 °C, -20 °C                                                                                                                                                    |
| Storage Comment:   | Store at 4°C for frequent use. Stored at -20°C in a manual defrost freezer for two year without detectable loss of activity. Avoid repeated freeze-thaw cycles. |
| Expiry Date:       | 24 months                                                                                                                                                       |



#### Immunohistochemistry

**Image 1.** Detection of CD40L in Human Cardiac Muscle Tissue using Monoclonal Antibody to Cluster Of Differentiation 40 Ligand (CD40L)



#### Immunohistochemistry

**Image 2.** Detection of CD40L in Human Kidney Tissue using Monoclonal Antibody to Cluster Of Differentiation 40 Ligand (CD40L)