

**CD27 Antibody (C-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP13740b****Specification**

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**CD27 Antibody (C-term) - Product Information**

|                   |                             |
|-------------------|-----------------------------|
| Application       | WB, FC,E                    |
| Primary Accession | <a href="#">P26842</a>      |
| Other Accession   | <a href="#">NP_001233.1</a> |
| Reactivity        | Human                       |
| Host              | Rabbit                      |
| Clonality         | Polyclonal                  |
| Isotype           | Rabbit IgG                  |
| Calculated MW     | 29137                       |
| Antigen Region    | 196-225                     |

**CD27 Antibody (C-term) - Additional Information****Gene ID** 939**Other Names**

CD27 antigen, CD27L receptor, T-cell activation antigen CD27, T14, Tumor necrosis factor receptor superfamily member 7, CD27, CD27, TNFRSF7

**Target/Specificity**

This CD27 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 196-225 amino acids from the C-terminal region of human CD27.

**Dilution**

WB~~1:1000  
FC~~1:10~50

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

CD27 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**CD27 Antibody (C-term) - Protein Information****Name** CD27

**Synonyms** TNFRSF7

**Function** Receptor for CD70/CD27L. May play a role in survival of activated T-cells. May play a role in apoptosis through association with SIVA1.

**Cellular Location**

Membrane; Single-pass type I membrane protein.

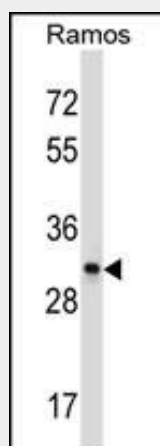
**Tissue Location**

Found in most T-lymphocytes.

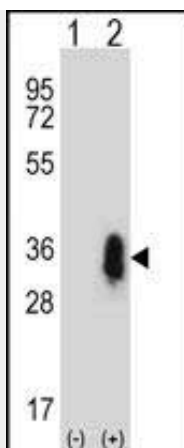
**CD27 Antibody (C-term) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

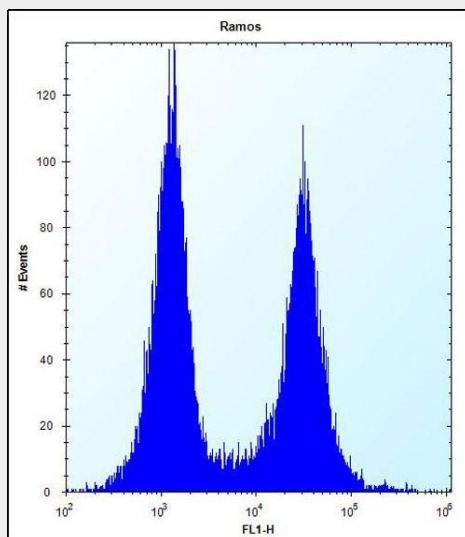
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**CD27 Antibody (C-term) - Images**

CD27 Antibody (C-term) (Cat. #AP13740b) western blot analysis in Ramos cell line lysates (35ug/lane). This demonstrates the CD27 antibody detected the CD27 protein (arrow).



Western blot analysis of CD27 (arrow) using rabbit polyclonal CD27 Antibody (C-term) (Cat. #AP13740b). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the CD27 gene.



CD27 Antibody (C-term) (Cat. #AP13740b) flow cytometric analysis of Ramos cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated donkey-anti-rabbit secondary antibodies were used for the analysis.

### **CD27 Antibody (C-term) - Background**

The protein encoded by this gene is a member of the TNF-receptor superfamily. This receptor is required for generation and long-term maintenance of T cell immunity. It binds to ligand CD70, and plays a key role in regulating B-cell activation and immunoglobulin synthesis. This receptor transduces signals that lead to the activation of NF-kappaB and MAPK8/JNK. Adaptor proteins TRAF2 and TRAF5 have been shown to mediate the signaling process of this receptor. CD27-binding protein (SIVA), a proapoptotic protein, can bind to this receptor and is thought to play an important role in the apoptosis induced by this receptor.

### **CD27 Antibody (C-term) - References**

Jiang, J., et al. J. Clin. Immunol. 30(4):566-573(2010)  
Arimoto-Miyamoto, K., et al. Immunology 130(1):137-149(2010)

Mizuochi, T., et al. J. Interferon Cytokine Res. 30(4):243-252(2010)  
Davila, S., et al. Genes Immun. 11(3):232-238(2010)  
Neron, S., et al. Arch. Immunol. Ther. Exp. (Warsz.) 57(6):447-458(2009)