

**Anti-TNFRSF7 / CD27 Reference Antibody (Organon patent anti-CD27)  
Recombinant Antibody  
Catalog # APR11057**

**Specification**

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**Anti-TNFRSF7 / CD27 Reference Antibody (Organon patent anti-CD27) - Product Information**

Application	FC, E, FTA
Primary Accession	<a href="#">P26842</a>
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2SA
Calculated MW	145 KDa

**Anti-TNFRSF7 / CD27 Reference Antibody (Organon patent anti-CD27) - Additional Information**

**Target/Specificity**  
TNFRSF7 / CD27

**Endotoxin**  
< 0.001EU/ µg,determined by LAL method.

**Conjugation**  
Unconjugated

**Expression system**  
CHO Cell

**Format**  
Purified monoclonal antibody supplied in PBS, pH6.0, without preservative.This antibody is purified through a protein A column.

**Storage**  
-80°C for 2 years under sterile conditions □ -20°C for 1 year under sterile conditions □ Avoid repeated freeze-thaw cycles.

**Anti-TNFRSF7 / CD27 Reference Antibody (Organon patent anti-CD27) - Protein Information**

**Name** CD27 ([HGNC:11922](#))

**Function**  
Costimulatory immune-checkpoint receptor expressed at the surface of T-cells, NK-cells and B-cells which binds to and is activated by its ligand CD70/CD27L expressed by B-cells (PubMed:<a href="http://www.uniprot.org/citations/28011863" target="\_blank">28011863</a>). The CD70-CD27 signaling pathway mediates antigen- specific T-cell activation and expansion which in turn provides immune surveillance of B-cells (PubMed:<a

<http://www.uniprot.org/citations/28011863> target="\_blank">28011863</a>). Mechanistically, CD70 ligation activates the TRAF2-PTPN6 axis that subsequently inhibits LCK phosphorylation to promote phenotypic and transcriptional adaptations of T-cell memory (PubMed:<a href="http://www.uniprot.org/citations/38354704" target="\_blank">38354704</a>). In addition, activation by CD70 on early progenitor cells provides a negative feedback signal to leukocyte differentiation during immune activation and thus modulates hematopoiesis (By similarity). Negatively regulates the function of Th2 lymphocytes in the adipose tissue (By similarity).

#### Cellular Location

Cell membrane; Single-pass type I membrane protein

#### Tissue Location

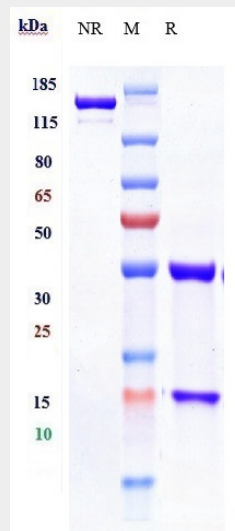
Found in most T-lymphocytes.

### Anti-TNFRSF7 / CD27 Reference Antibody (Organon patent anti-CD27) - Protocols

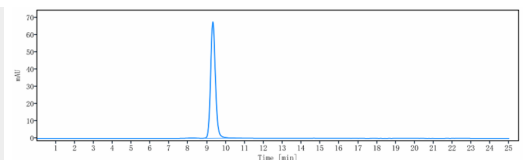
Provided below are standard protocols that you may find useful for product applications.

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

### Anti-TNFRSF7 / CD27 Reference Antibody (Organon patent anti-CD27) - Images



Anti-TNFRSF7 / CD27 Reference Antibody (Organon patent anti-CD27) on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 90%



The purity of Anti-TNFRSF7 / CD27 Reference Antibody (Organon patent anti-CD27) is more than 95% ,determined by SEC-HPLC.