

# CD27 Rabbit mAb

Catalog # AP75218

## **Product Information**

**Application** WB, IHC-P, IHC-F, ICC

Primary Accession P26842
Reactivity Human
Rabbit

**Clonality** Monoclonal Antibody

Calculated MW 29137

#### **Additional Information**

Gene ID 939

Other Names CD27

**Dilution** WB~~1/500-1/1000 IHC-P~~N/A IHC-F~~N/A ICC~~N/A

Format 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and

0.05% BSA.

**Storage** Store at 4°C short term. Aliquot and store at -20°C long term. Avoid

freeze/thaw cycles.

## **Protein Information**

Name CD27 ( <u>HGNC:11922</u>)

**Function** Costimulatory immune-checkpoint receptor expressed at the surface of

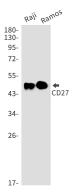
T-cells, NK-cells and B-cells which binds to and is activated by its ligand CD70/CD27L expressed by B-cells (PubMed:28011863). The CD70-CD27 signaling pathway mediates antigen- specific T-cell activation and expansion which in turn provides immune surveillance of B-cells (PubMed:28011863). Mechanistically, CD70 ligation activates the TRAF2-PTPN6 axis that subsequently inhibits LCK phosphorylation to promote phenotypic and transcriptional adaptations of T-cell memory (PubMed:38354704). 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.

# **Images**



Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.