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CD27 Antibody

Rabbit mAb
Catalog # AP92015

Product Information

Application	WB, IF, FC, ICC
Primary Accession	P26842
Reactivity	Rat, Human
Clonality	Monoclonal
Other Names	CD27; CD27L receptor; LPFS2; S152; T14; TNFRSF7; TNFSF7; Tp55;
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	29137

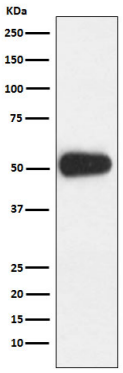
Additional Information

Dilution	WB 1:500~1:2000 ICC/IF 1:50~1:200 FC 1:50
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human CD27
Description	Receptor for CD70/CD27L. May play a role in survival of activated T-cells. May play a role in apoptosis through association with SIVA1.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

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: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



Western blot analysis of CD27 expression in Ramos cell lysate.

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