Rabbit Anti-Human CD27 Molecule Monoclonal Antibody, FITC-conjugated

Cat. No. CAB11495RH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Rabbit monoclonal antibody to human CD27 molecule, FITC-conjugated.
Species	Human
Source	Rabbit
Antigen Description	CD27, also known as TNFRSF7, is a member of the TNF-receptor superfamily limited to cells of the lymphoid lineage, and exists as both a dimeric glycoprotein on the cell surface and as a soluble protein in serum. As a T and B cell co-stimulatory molecule, the activity of CD27 is governed by its TNF-like ligand CD70 on lymphocytes and dendritic cells. The CD27-CD70 interaction is required for Th1 generation responses to differentiation signals and long-term maintenance of T cell immunity, and meanwhile, plays a key role in regulating B-cell differentiation, activation and immunoglobulin synthesis. The CD27 receptor transduces signals and subsequently leads to the activation of NF-kappaB and MAPK8/JNK, and during which, adaptor proteins TRAF2 and TRAF5 have been shown to mediate the signaling processes. In addition, a proapoptotic protein named SIVA, is capable of binding the cytoplasmic tail of CD27 and exerts action in the process of apoptosis.
Specificity	Human CD27 / TNFRSF7, Has cross-reactivity in ELISA with, Mouse CD27, No cross-reactivity in ELISA with, Human TNFRSF8/CD30, Human 4-1BB, Human CD40, Human DR6, Human FAS, Human HVEM/TNFRSF14, Human TNFRI, Human TNFRII, Human BAFF, Human RELT, Mouse HVEM, Mouse FAS,Rat FAS.

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Immunogen	Recombinant human CD27 / TNFRSF7 protein
Isotype	Rabbit IgG
Clone	024
Conjugation	FITC
Applications	Western Blot; Flow Cytometry
Dilution	Flow Cytometry: Human lymphocytes were stained with anti human CD27-CAB11512 (solid line) or rabbit IgG isotype control (dashed line).Western blot: This antibody can be used at 1 - 2 µg/mL with the appropriate secondary reagents to detect Human CD27 in WB. Use of this antibody under reducing conditions is not recommended.
Preparation	This antibody was obtained from a rabbit immunized with purified, human cell-derived, recombinant human CD27 and conjugated with FITC under optimum conditions, the unreacted FITC was removed.
Format	Aqueous solution containing 0.5% BSA and 0.1% sodium azide
Concentration	5 µl/Test, 0.2 mg/ml
Storage	This antibody is stable for 12 months from date of receipt when stored at 2℃- 8℃. Protected from prolonged exposure to light. Do not freeze!Sodium azide is toxic to cells and should be disposed of properly. Flush with large volumes of water during disposal.

GENE INFORMATION

Gene Name	CD27 CD27 molecule [Homo sapiens]

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Official Symbol	CD27
Synonyms	CD27; CD27 molecule; TNFRSF7,tumor necrosis factor receptor superfamily, member 7; CD27 antigen; S152; Tp55; CD27L receptor; T cell activation antigen S152; T-cell activation antigen CD27; tumor necrosis factor receptor superfamily, member 7; T14; TNFRSF7; MGC20393;
Gene ID	939
mRNA Refseq	NM_001242
Protein Refseq	NP_001233
MIM	186711
UniProt ID	P26842
Chromosome Location	12p13
Pathway	Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem;
Function	cysteine-type endopeptidase inhibitor activity involved in apoptotic process; protein binding; receptor activity; transmembrane signaling receptor activity;
left panel: FITC Rabbit anti-Human CD27 antibody. right panel: PE Rabbit anti-Human CD27	

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antibody. Flow cytometry was performed on a BD FACSCalibur flow cytometry system.	

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