CD27 Antibody – Mouse

PRODUCT OVERVIEW

Product Name	CD27, Antibody
Full Product Name	CD27 FITC
Product Gene Name	anti-CD27 antibody
Product Synonym Names	CD27FITC
Isotype	IgG1
Clone Number	DEN-3
Host	Mouse
Species Reactivity	Human
Form/Format	Provided as sterile filtered solution in phosphate buffered saline with 0.08% sodium azide and 0.2% carrier protein
Purity/Purification	Protein A/G Chromatography
Preparation and Storage	Product should be stored at 4-8 degree C. DO NOT FREEZE
Molecular Weight	29,137 Da
Chromosome Location	Chromosome: 12; NC_000012.11 (6554051..6560884). Location: 12p13
OMIM	186711
3D Structure	ModBase 3D Structure for P26842
Product Categories/Family for anti-CD27 antibody	Single-Color Reagent; Single Color Markers
Applications Tested/Suitable for anti-CD27 antibody	Flow Cytometry (FC/FACS)
Related Product Information for anti-CD27 antibody	The CD27 antigen recognizes disulfide-linked dimer nerve growth factor (NGF) super family of cells expressing the 55kD surface antigen. CD27 acts as a co-stimulatory on T lymphocytes with its ligand of CD70.
Other Notes	Small volumes of anti-CD27 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for CD27 purchase	MBS396516 is an antibody targeting CD27. Also known as CD27 FITC. Reactive in Human. Host: Mouse.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CD27. It may not necessarily be applicable to this product.

NCBI GI #	4507587
NCBI GeneID	939
NCBI Accession #	NP_001233.1
UniProt Primary Accession #	P26842
UniProt Secondary Accession #	B2RDZ0
UniProt Related Accession #	P26842

GenBank Nucleotide #	NM_001242.4
NCBI Official Full Name	CD27 antigen
NCBI Official Synonym Full Names	CD27 molecule
NCBI Official Symbol	CD27
NCBI Official Synonym Symbols	T14; S152; Tp55; TNFRSF7; S152. LPFS2
UniProt Protein Name	CD27 antigen
UniProt Synonym Protein Names	CD27L receptor; T-cell activation antigen CD27; T14; Tumor necrosis factor receptor superfamily member 7
Protein Family	CD27 antigen
UniProt Gene Name	CD27
UniProt Synonym Gene Names	TNFRSF7
UniProt Entry Name	CD27_HUMAN
NCBI Protein Information	CD27 antigen; CD27L receptor; T cell activation antigen S152; T-cell activation antigen CD27; tumor necrosis factor receptor superfamily, member 7
NCBI Summary for CD27	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. [provided by RefSeq, Jul 2008]
UniProt Comments for CD27	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. Subunit structure: Homodimer. Interacts with SIVA1 and TRAF2. Ref.8 Ref.9 Subcellular location: Membrane; Single-pass type I membrane protein. Tissue specificity: Found in most T-lymphocytes. Post-translational modification: Phosphorylated.O-glycosylated with core 1 or possibly core 8 glycans. Ref.10 Sequence similarities: Contains 3 TNFR-Cys repeats.
Research Articles on CD27	**1.** CD27 and CD28 costimulatory receptors play central roles in differentiation and activation of gamma-delta T Lymphocytes. (Review)
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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