CD27 Immunizing Blocking Peptide

PRODUCT OVERVIEW

Product Name	CD27, Blocking Peptide
Full Product Name	CD27 Immunizing Peptide
Product Gene Name	CD27 blocking peptide
Product Synonym Names	CD27; CD27 molecule; S152; S152. LPFS2; T14; TNFRSF7; Tp55; CD27 antigen; CD27L receptor; T cell activation antigen S152; T-cell activation antigen CD27; tumor necrosis factor receptor superfamily, member 7; CD27 (aa161-175)
Sequence	C-QTLADFRQ LPARTLS
Species Reactivity	Human
Form/Format	100ug of dried peptide
Preparation and Storage	Shipped at ambient temperature, store at -20 degree C
Antibody/Peptide Pairs	CD27 peptide (MBS428459) is used for blocking the activity of CD27 antibody (MBS423429)
Molecular Weight	29,137 Da
OMIM	186711
ISO Certification	Manufactured in an ISO 9001:2008 Certified Laboratory.
Related Product Information for CD27 blocking peptide	MBS428459 is a blocking peptide targeting CD27. Also known as CD27 Immunizing Peptide. Reactive in Human.
Other Notes	Small volumes of CD27 blocking peptide 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.

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 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; CD_antigen: CD27
Protein Family	CD27 antigen
UniProt Gene Name	CD27
UniProt Synonym Gene Names	TNFRSF7
UniProt Entry Name	CD27_HUMAN
NCBI Protein Information	CD27 antigen
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	CD27: Receptor for CD70/CD27L. May play a role in survival of activated T-cells. May play a role in apoptosis through association with SIVA1. Protein type: Apoptosis; Receptor, cytokine; Membrane protein, integral Chromosomal Location of Human Ortholog: 12p13 Cellular Component: external side of plasma membrane; extracellular region; integral to plasma membrane; neuron projection; nucleus; plasma membrane Molecular Function: caspase inhibitor activity; protein binding; transmembrane receptor activity; tumor necrosis factor receptor activity Biological Process: brain development; cell surface receptor linked signal transduction; immune response; immunoglobulin mediated immune response; induction of apoptosis via death domain receptors; inflammatory response; negative regulation of apoptosis; negative regulation of caspase activity; positive regulation of B cell differentiation; positive regulation of JNK cascade; positive regulation of MAPKKK cascade; regulation of cell proliferation; release of cytoplasmic sequestered NF-kappaB; response to ethanol; response to lipopolysaccharide; tumor necrosis factor-mediated signaling pathway Disease: Lymphoproliferative Syndrome 2
Research Articles on CD27	**1.** Novel mutations in TNFRSF7/CD27 cause EBV-associated lymphoproliferative disease/hemophagocytic lymphohistiocytosis, Hodgkin lymphoma, uveitis, and recurrent infections.
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