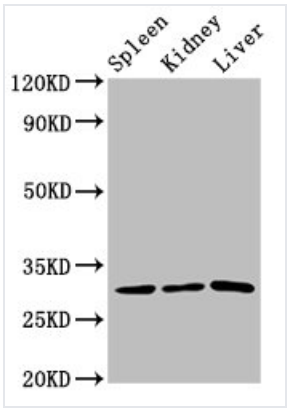
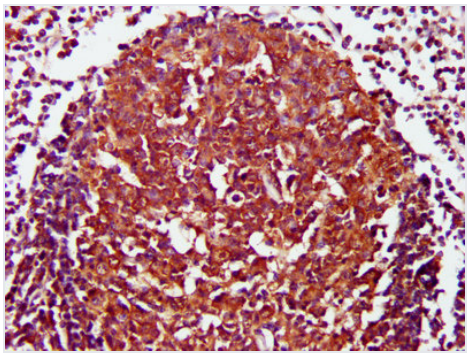
CD27 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

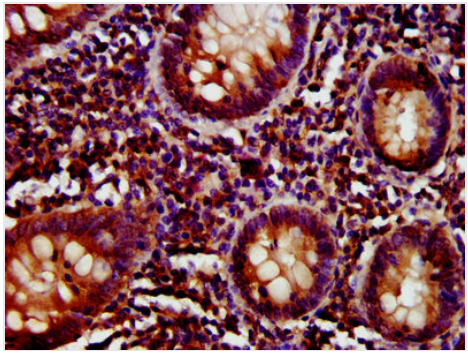
Product Name	CD27, Polyclonal Antibody
Full Product Name	CD27 Antibody
Product Gene Name	anti-CD27 antibody
Product Synonym Names	CD27 antigen; CD27L receptor; T-cell activation antigen CD27; T14; Tumor necrosis factor receptor superfamily member 7; CD27; TNFRSF7
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Purity/Purification	Caprylic Acid Ammonium Sulfate Precipitation Purified
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C or -80 degree C. Avoid repeated freeze.
Matching Pairs	Unconjugated Antibody: CD27 (MBS1494570) HRP Conjugated Antibody: CD27 (MBS1497478)
Matching Pairs	Unconjugated Antibody: CD27 (MBS1494570) Biotin Conjugated Antibody: CD27 (MBS1497868)
Matching Pairs	Unconjugated Antibody: CD27 (MBS1494570) FITC Conjugated Antibody: CD27 (MBS1499781)
Molecular Weight	29,137 Da
OMIM	186711
3D Structure	ModBase 3D Structure for P26842
Storage Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Conjugate	Non-conjugated
Immunogen	Recombinant human CD27 antigen protein
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-1743 / sc-1740 / sc-20923
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-CD27 antibody	ELISA (EIA)
Related Product Information for anti-CD27 antibody	Receptor for CD70/CD27L. May play a role in survival of activated T-cells. May play a role in apoptosis through association with SIVA1.
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	MBS1494570 is an antibody targeting CD27. Also known as CD27 Antibody. Reactive in Human. Host: Rabbit.



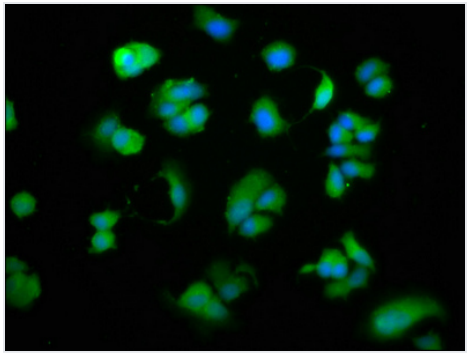
Western Blot (WB) of anti-CD27 antibody
Western BlotPositive WB detected in: Rat spleen tissue, Rat kidney tissue, Rat liver tissueAll lanes: CD27 antibody at 3.2ug/mlSecondaryGoat polyclonal to rabbit IgG at 1/50000 dilutionPredicted band size: 30 KDaObserved band size: 30 KDa



Immunohistochemistry (IHC) of anti-CD27 antibody
IHC image of MBS1494570 diluted at 1:800 and staining in paraffin-embedded human lymph node tissue performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4 degree C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



Immunohistochemistry (IHC) of anti-CD27 antibody
IHC image of MBS1494570 diluted at 1:800 and staining in paraffin-embedded human appendix tissue performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4 degree C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



Immunofluorescence (IF) of anti-CD27 antibody
Immunofluorescence staining of MCF-7 cells with MBS1494570 at 1:266,counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeabilized using 0.2% Triton X-100 and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4 degree C.The secondary antibody was Alexa Fluor 488-congugated AffiniPure Goat Anti-Rabbit IgG (H+L).

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; 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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