

Mouse CD27 Monoclonal Antibody | anti-CD27 antibody

CD27 (Tumor Necrosis Factor Receptor Superfamily 7)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA214587	Mouse	Human. Others not tested.	Immunohistochemistry, Immunofluorescence, Flow Cytometry, Functional Assay

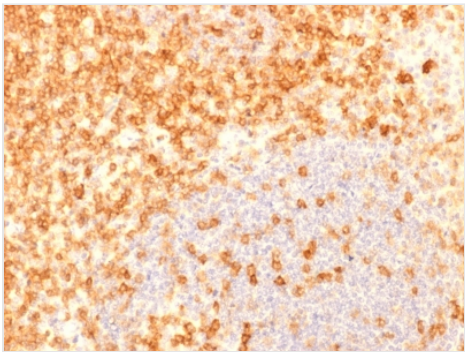
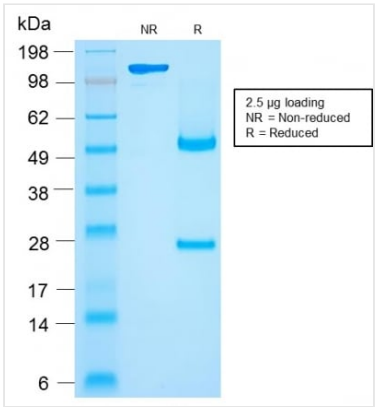
PRODUCT SYNONYMS

CD27; Monoclonal Antibody; CD27 (Tumor Necrosis Factor Receptor Superfamily 7); LPFS2; S152; T cell activation antigen S152; T-cell activation antigen CD27; T14; TNFRSF7; TNFSF7; Tp55; Tumor necrosis factor receptor superfamily member 7; anti-CD27 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human. Others not tested.
Clonality	Monoclonal
Isotype	IgG1
Clone Number	rLPFS2/1611
Specificity	Recognizes a protein of a disulfide-linked 120kDa dimer, identified as CD27. It is expressed on the majority of peripheral T cells, medullary thymocytes, memory-type B cells, and natural killer cells. It is a transmembrane phosphoglycoprotein that belongs to the tumor necrosis factor receptor (TNFR) superfamily. CD27 binds to its ligand CD70, a member of the TNF family, and induces T-cell co-stimulation and B-cell activation. It also interacts with TRAFs and is involved in activation of NFkB and SAPK/JNK and induces apoptosis.
Form/Format	200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Sequence Length	260
Applicable Applications for anti-CD27 antibody	IHC (Immunohistochemistry), IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Immunogen	Recombinant human CD22 protein fragment (around aa 52-178)
Cellular Localization	Cell Surface
Hu-chromosome Location	12p13
Positive Control	Human peripheral blood lymphocytes. Human tonsil and lymph node.
Preparation and Storage	Antibody with azide - store at 2 to 8 degree C. Antibody without azide - store at -20 to -80 degree C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

IMAGES



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human tonsil stained with CD27 Mouse Recombinant Monoclonal Antibody (rLPFS2/1611).

SDS-PAGE
SDS-PAGE Analysis of Purified CD27 Mouse Recombinant Monoclonal Antibody (rLPFS2/1611).

ADDITIONAL INFORMATION

References	De Rie MA, Cairo I, Van Lier RA, Bos JD. Expression of the T-cell activation antigens CD27 and CD28 in normal and psoriatic skin. Clin Exp Dermatol.1996 Mar; 21(2):104-11.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4507587
NCBI GeneID	939
NCBI Accession #	NP_001233.1
NCBI GenBank Nucleotide #	NM_001242.4
UniProt Accession #	P26842; B2RDZ0
Molecular Weight	120kDa
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
NCBI Protein Information	CD27 antigen
UniProt Protein Name	CD27 antigen
UniProt Gene Name	CD27
UniProt Synonym Gene Names	TNFRSF7

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.