

12-1104: Anti-CD27 (Tumor Necrosis Factor Receptor Superfamily 7) Recombinant Mouse Monoclonal Antibody (Clone:rLPFS2/1611)

Clonality :	Monoclonal
Clone Name :	rLPFS2/1611
Application :	FACS,IHC
Reactivity :	Human
Gene :	CD27
Gene ID :	939
Uniprot ID :	P26842
Format :	Purified
Alternative Name :	LPFS2; S152; T cell activation antigen S152; T-cell activation antigen CD27; T14; TNFRSF7; TNFSF7; Tp55; Tumor necrosis factor receptor superfamily member 7
Isotype :	Mouse IgG1, kappa
Immunogen Information :	Recombinant human CD22 protein fragment (around aa 52-178) (exact sequence is proprietary)

Description

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.

Product Info

Amount :	20 µg / 100 µg
Purification :	Protein A/G
Content :	200µg/ml of recombinant MAb purified by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Storage condition :	Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous.

Application Note

Flow Cytometry (1-2 \times 10⁵µg/million cells);,Immunohistochemistry (Formalin-fixed) (1-2 \times 10⁵µg/ml for 30 minutes at RT),(Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris buffer with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes),

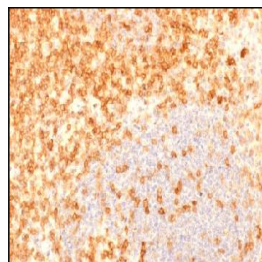


Figure 1: Formalin-fixed, paraffin-embedded human tonsil stained with CD27 Mouse Recombinant Monoclonal Antibody (rLPFS2/1611).

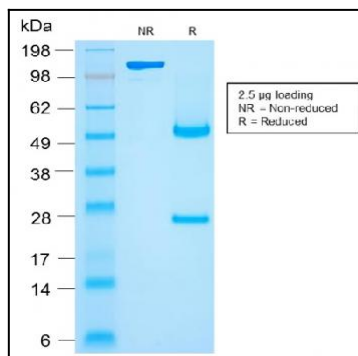


Figure 2: SDS-PAGE Analysis of Purified CD27 Mouse Recombinant Monoclonal Antibody (rLPFS2/1611).