

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

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	rLPFS2/1611
<b>Application :</b>	FACS,IHC
<b>Reactivity :</b>	Human
<b>Gene :</b>	CD27
<b>Gene ID :</b>	939
<b>Uniprot ID :</b>	P26842
<b>Format :</b>	Purified
<b>Alternative Name :</b>	LPFS2; S152; T cell activation antigen S152; T-cell activation antigen CD27; T14; TNFRSF7; TNFSF7; Tp55; Tumor necrosis factor receptor superfamily member 7
<b>Isotype :</b>	Mouse IgG1, kappa
<b>Immunogen Information :</b>	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

<b>Amount :</b>	20 µg / 100 µg
<b>Purification :</b>	Protein A/G
<b>Content :</b>	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.
<b>Storage condition :</b>	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 $\times$ 10<sup>5</sup>µg/million cells);,Immunohistochemistry (Formalin-fixed) (1-2 $\times$ 10<sup>5</sup>µg/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&degC followed by cooling at RT for 20 minutes),

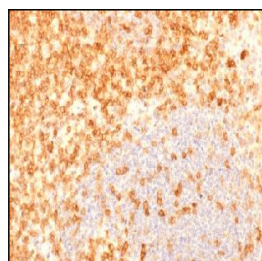


Figure 1: Formalin-fixed, paraffin-embedded human tonsil stained with CD27 Mouse Recombinant Monoclonal Antibody (rLPFS2/1611).

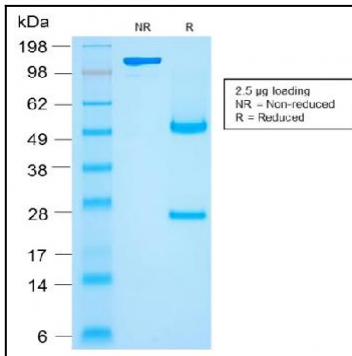


Figure 2: SDS-PAGE Analysis of Purified CD27 Mouse Recombinant Monoclonal Antibody (rLPFS2/1611).