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## 36-3555: Anti-CD27 (Tumor Necrosis Factor Receptor Superfamily 7) Monoclonal Antibody(Clone: LPFS2/1611)

Clonality: Monoclonal Clone Name: LPFS2/1611

Application: ELISA,FACS,IF,IHC

 Reactivity :
 Human

 Gene :
 CD27

 Gene ID :
 939

 Uniprot ID :
 P26842

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 full-length human CD27 protein

## **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 NFB and SAPK/JNK and induces apoptosis.

## **Product Info**

**Amount :** 20 μg / 100 μg

Content: 200 µg/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.

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**

ELISA (For coating, order antibody without BSA);,Flow Cytometry (1-2ug/million cells); Immunofluorescence (1-2ug/ml);,Immunohistochemistry (Formalin-fixed) (1-2ug/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),

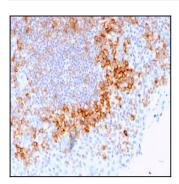


Fig. 1: Formalin-fixed, paraffin-embedded human Tonsil stained with CD27 Mouse Monoclonal Antibody (LPFS2/1611).



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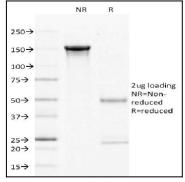


Fig. 2: SDS-PAGE Analysis Purified CD22 Mouse Monoclonal Antibody (LPFS2/1611). Confirmation of Purity and Integrity of Antibody.

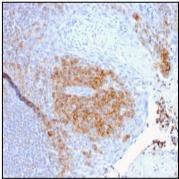


Fig. 3: Formalin-fixed, paraffin-embedded human Tonsil stained with CD27 Mouse Monoclonal Antibody (LPFS2/1611).

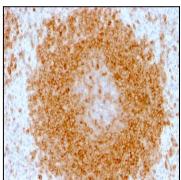


Fig. 4: Formalin-fixed, paraffin-embedded human Spleen stained with CD27 Mouse Monoclonal Antibody (LPFS2/1611).

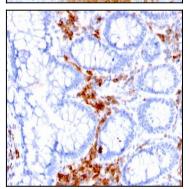


Fig. 5: Formalin-fixed, paraffin-embedded human Colon stained with CD27 Mouse Monoclonal Antibody (LPFS2/1611).



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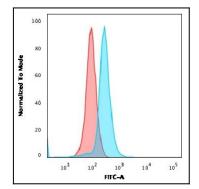


Fig. 6: Flow Cytometric Analysis of Ramos cells using CD27 Mouse Monoclonal Antibody (LPFS2/1611) followed by goat anti-Mouse IgG-CF488 (Blue); Isotype Control (Red).

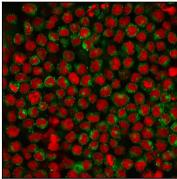


Fig. 7: Immunofluorescence staining of Ramos cells using CD27 Mouse Monoclonal Antibody (LPFS2/1611) followed by goat anti-Mouse IgG conjµgated to CF488 (green). Nuclei are stained with Reddot.