

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

|                                |  |
|--------------------------------|--|
| <b>Clonality :</b>             | Monoclonal   |
| <b>Clone Name :</b>            | LPFS2/1611   |
| <b>Application :</b>           | ELISA,FACS,IF,IHC  |
| <b>Reactivity :</b>            | Human  |
| <b>Gene :</b>                  | CD27   |
| <b>Gene ID :</b>               | 939  |
| <b>Uniprot ID :</b>            | P26842   |
| <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 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

|                            |   |
|----------------------------|---|
| <b>Amount :</b>            | 20 µg / 100 µg  |
| <b>Content :</b>           | 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. |
| <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

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),

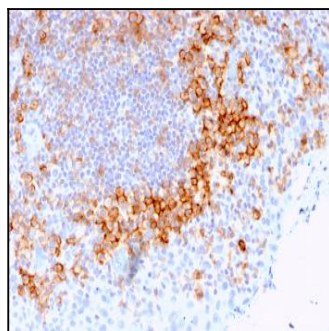


Fig. 1: Formalin-fixed, paraffin-embedded human Tonsil stained with CD27 Mouse Monoclonal Antibody (LPFS2/1611).

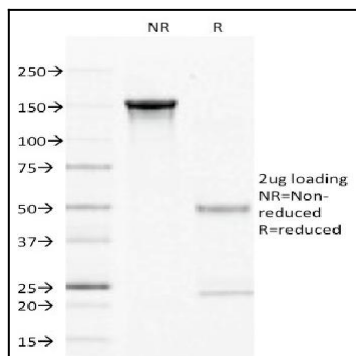


Fig. 2: SDS-PAGE Analysis Purified CD22 Mouse Monoclonal Antibody (LPFS2/1611). Confirmation of Purity and Integrity of Antibody.

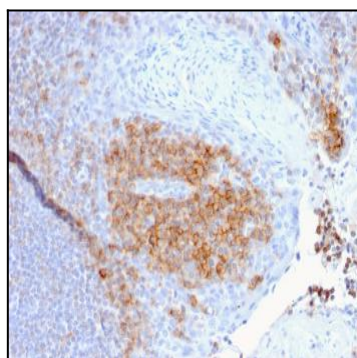


Fig. 3: Formalin-fixed, paraffin-embedded human Tonsil stained with CD27 Mouse Monoclonal Antibody (LPFS2/1611).

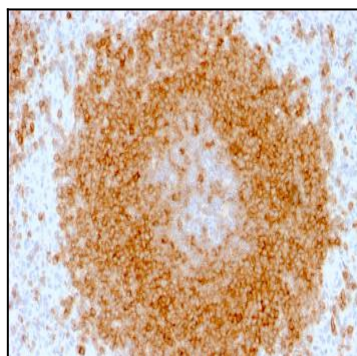


Fig. 4: Formalin-fixed, paraffin-embedded human Spleen stained with CD27 Mouse Monoclonal Antibody (LPFS2/1611).

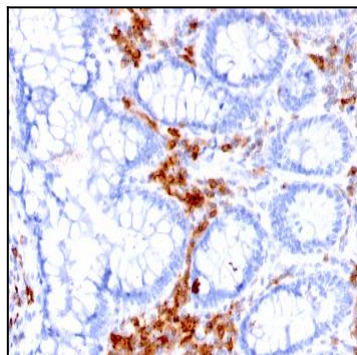


Fig. 5: Formalin-fixed, paraffin-embedded human Colon stained with CD27 Mouse Monoclonal Antibody (LPFS2/1611).

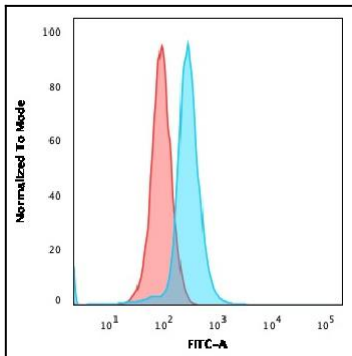


Fig. 6: Flow Cytometric Analysis of Ramos cells using CD27 Mouse Monoclonal Antibody (LPFS2/1611) followed by goat anti-Mouse IgG-CF488 (Blue); Isotype Control (Red).

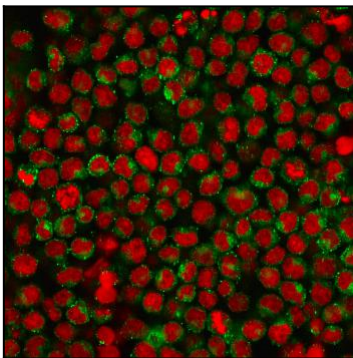


Fig. 7: Immunofluorescence staining of Ramos cells using CD27 Mouse Monoclonal Antibody (LPFS2/1611) followed by goat anti-Mouse IgG conjugated to CF488 (green). Nuclei are stained with Reddot.