CD27 (Tumor Necrosis Factor Receptor Superfamily 7) Antibody

Mouse Monoclonal Antibody [Clone LPFS2/1611]

Catalog No	Format	Size
939-MSM2-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
939-MSM2-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
939-MSM2-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

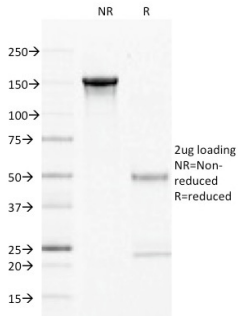
Applications	Tested Dillution	Note
Flow Cytometry (Flow)	1-2ug/million cells	
Immunofluorescence (IF)	1-3ug/ml	
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes

Product Details

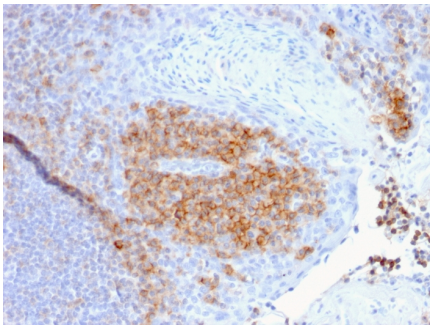
Clone	LPFS2/1611
Gene Name	CD27
Immunogen	Recombinant full-length human CD27 protein
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG1 / Kappa
Mol. Weight of Antigen	120kDa
Cellular Localization	Membrane
Species Reactivity	Human
Positive Control	Ramos cells. Human peripheral blood lymphocytes. Ramos and lymph node cell lysates. Human tonsil and stomach tissues.

**Optimal dilution for a specific application should be determined.*

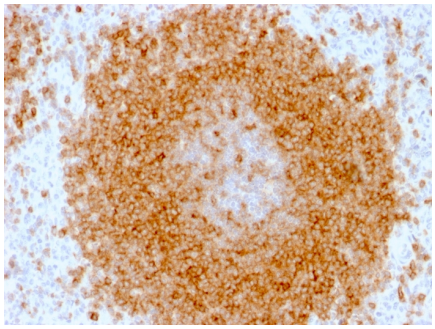
Product Images for CD27 (Tumor Necrosis Factor Receptor Superfamily 7) Antibody



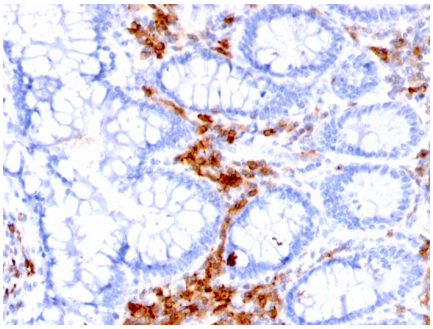
SDS-PAGE Analysis Purified CD22 Mouse Monoclonal Antibody(LPFS2/1611). Confirmation of Purity and Integrity of Antibody.



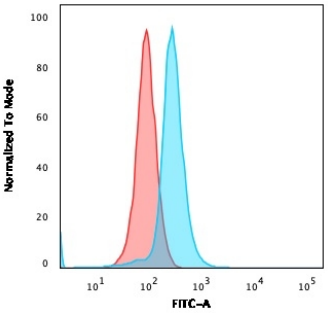
Formalin-fixed, paraffin-embedded human Tonsil stained with CD27 Mouse Monoclonal Antibody (LPFS2/1611).



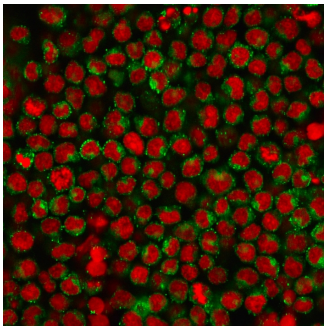
Formalin-fixed, paraffin-embedded human Spleen stained with CD27 Mouse Monoclonal Antibody (LPFS2/1611).



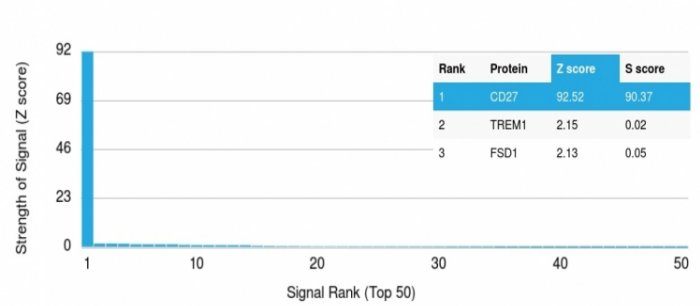
Formalin-fixed, paraffin-embedded human Colon stained with CD27 Mouse Monoclonal Antibody (LPFS2/1611).



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

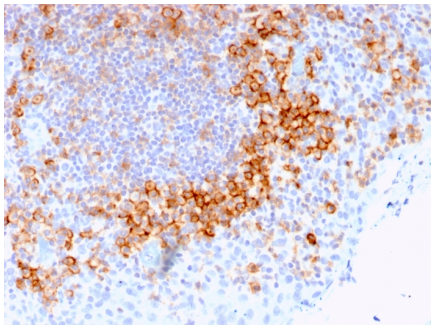


Immunofluorescence staining of Ramos cells using CD27 Mouse Monoclonal Antibody (LPFS2/1611) followed by goat anti-Mouse IgG conjugated to CF488 (green). Nuclei are stained with Reddot.



Rank	Protein	Z score	S score
1	CD27	92.52	90.37
2	TREM1	2.15	0.02
3	FSD1	2.13	0.05

Analysis of Protein Array containing more than 19,000 full-length human proteinsusing CD27 Mouse Monoclonal Antibody (LPFS2/1611) Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProtTM array. Z-scores are described in units of standard deviations (SD?s) above the mean value of all signals generated on that array. If targets on HuProtTM are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD?s) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target. A MAb is considered to specific to its intended target, if the MAb has an S-score of at least 2.5. For example, if a MAb binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that MAb to protein X is equal to 29.



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

Specificity & Comments

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.

Supplied As

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.

Storage and Stability

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. No MSDS required.

Research Areas

AKT Signaling, B Cell Markers, Cytokine Signaling, Immunology

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.