

CD27 (Tumor Necrosis Factor Receptor Superfamily 7) Antibody

Mouse Monoclonal Antibody [Clone LPFS2/4178]

Catalog No	Format	Size
939-MSM8-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
939-MSM8-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
939-MSM8-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

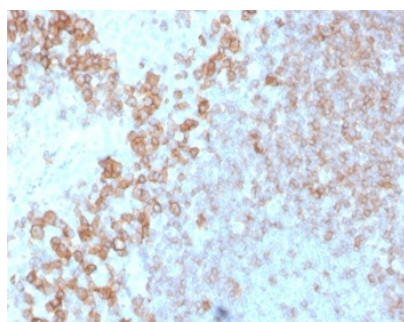
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

Product Details

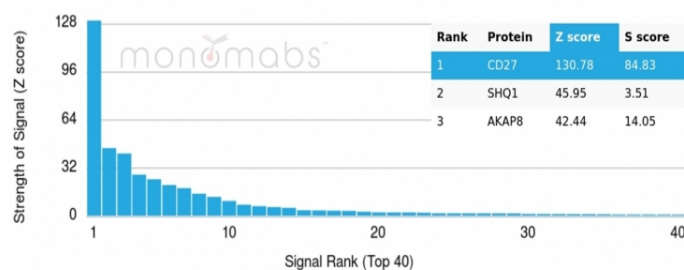
Clone	LPFS2/4178
Gene Name	CD27
Immunogen	Recombinant human CD27 protein fragment (aa 28-170) (exact sequence is proprietary)
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG1 / Kappa
Mol. Weight of Antigen	120kDa
Cellular Localization	Membrane
Species Reactivity	Human
Positive Control	Raji, Ramos cells. Human peripheral blood lymphocytes. Human tonsil and stomach tissues.

*Optimal dilution for a specific application should be determined.

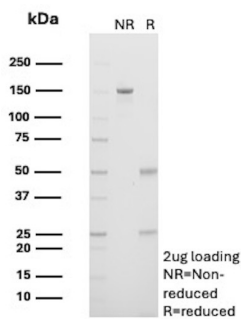
Product Images for CD27 (Tumor Necrosis Factor Receptor Superfamily 7) Antibody



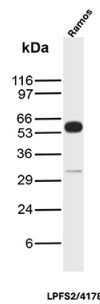
Formalin-fixed, paraffin-embedded human tonsil stained with CD27 Mouse Monoclonal Antibody (LPFS2/4178).



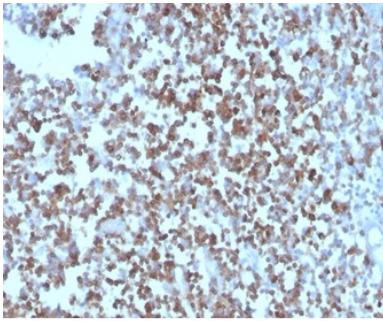
Analysis of Protein Array containing more than 19,000 full-length human proteins using CD27 Mouse Monoclonal Antibody (LPFS2/4178) Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProt™ 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 HuProt™ 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.



SDS-PAGE Analysis of Purified CD27 Mouse Monoclonal Antibody(LPFS2/4178). Confirmation of Purity and Integrity of Antibody



Western Blot Analysis of Ramos cell lysate using CD27 Mouse Monoclonal Antibody (LPFS2/4178).



Formalin-fixed, paraffin-embedded human tonsil stained with CD27 Mouse Monoclonal Antibody (LPFS2/4178).

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 NF B and SAPK/JNK and induces apoptosis.

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.

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