Datasheet for ABIN6941124

anti-CD27 antibody

8 Images

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Overview

Quantity:	100 µg
Target:	CD27
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CD27 antibody is un-conjugated
Application:	Flow Cytometry (FACS), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF), Staining Methods (StM), Coating (Coat)

Product Details

Immunogen:	Recombinant full-length human CD27 protein
Clone:	LPFS2-1611
Isotype:	IgG1 kappa
Specificity:	Recognizes a protein of a disulfide-linked 120 kDa 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.
Purification:	Purified by Protein A/G

Target Details

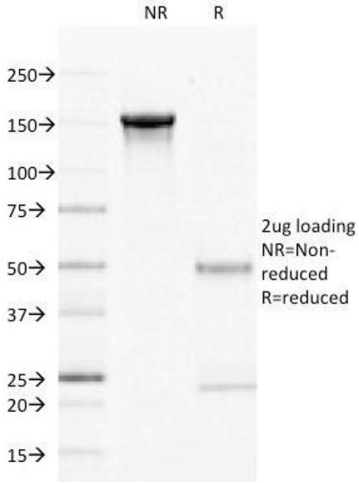
Target:	CD27
Alternative Name:	CD27 (CD27 Products)
Molecular Weight:	120kDa
Gene ID:	939
UniProt:	P26842
Pathways:	Production of Molecular Mediator of Immune Response, Cancer Immune Checkpoints

Application Details

Application Notes:	Positive Control: Ramos cells. Human peripheral blood lymphocytes. Ramos and lymph node cell lysates. Human tonsil and stomach tissues. Known Application: ELISA (For coating, order antibody without BSA),Flow Cytometry (1-2 µg/million cells), Immunofluorescence (1-2 µg/mL),Immunohistochemistry (Formalin-fixed) (1-2 µg/mL for 30 minutes at RT),(Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM Tris buffer with 1 mM EDTA, pH 9.0, for 10-20 min followed by cooling at RT for 20 minutes),Optimal dilution for a specific application should be determined.
Restrictions:	For Research Use only

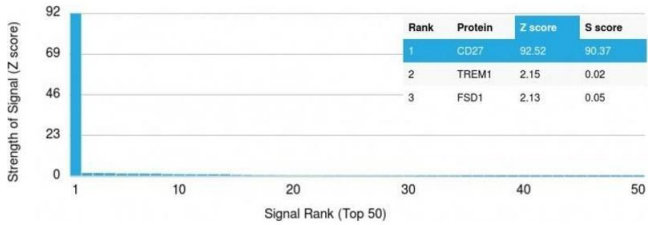
Handling

Concentration:	200 µg/mL
Buffer:	10 mM PBS with 0.05 % BSA & 0.05 % azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-80 °C
Storage Comment:	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.
Expiry Date:	24 months



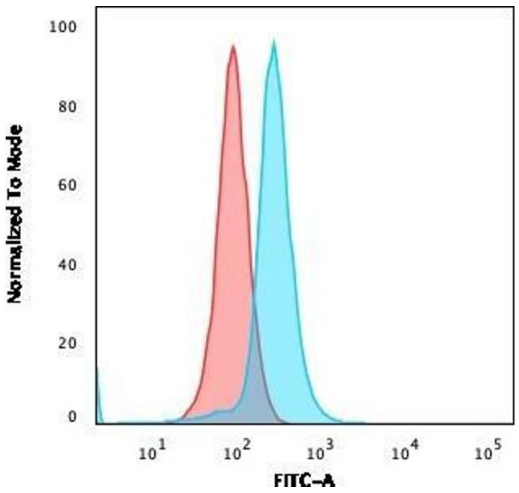
SDS-PAGE

Image 1. SDS-PAGE Analysis Purified CD22 Mouse Monoclonal Antibody (LPFS2/1611). Confirmation of Purity and Integrity of Antibody.



Protein Array

Image 2. Analysis of Protein Array containing more than 19,000 full-length human proteins using 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 (SDs) 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 SDs) 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.



Flow Cytometry

Image 3. Flow Cytometric Analysis of Ramos cells using CD27 Mouse Monoclonal Antibody (LPFS2/1611) followed by goat anti-Mouse IgG-CF488 (Blue); Isotype Control (Red).

Please check the product details page for more images. Overall 8 images are available for ABIN6941124.