

Datasheet for ABIN6941125

Recombinant anti-CD27 antibody**3** Images[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	CD27
Reactivity:	Human
Host:	Mouse
Antibody Type:	Recombinant Antibody
Clonality:	Monoclonal
Conjugate:	This CD27 antibody is un-conjugated
Application:	Flow Cytometry (FACS), Immunohistochemistry (IHC), Staining Methods (StM)

Product Details

Immunogen:	Recombinant human CD22 protein (exact sequence is proprietary)
Clone:	RLPFS2-1611
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 NFkB and SAPK/JNK and induces apoptosis.
Purification:	Purified by Protein A/G

Target Details

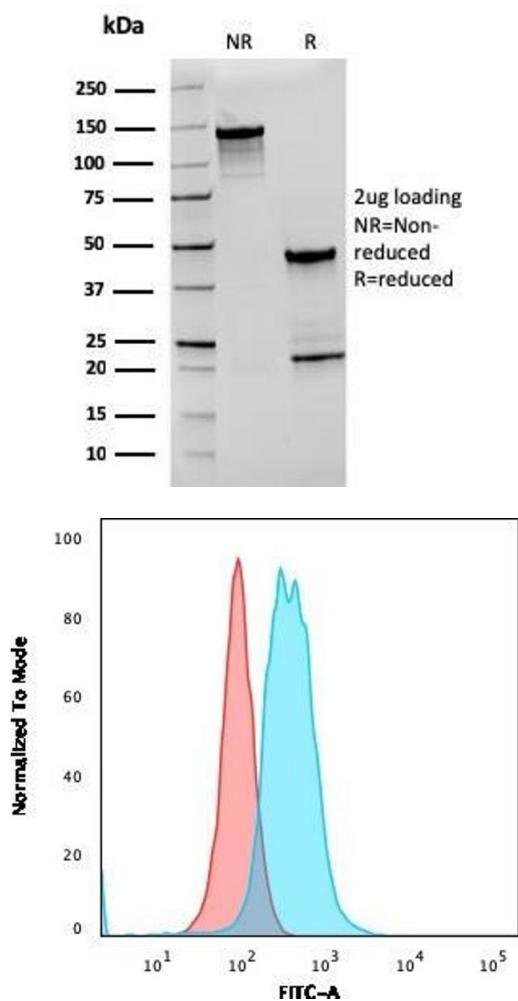
Target:	CD27
Alternative Name:	CD27 (CD27 Products)
Molecular Weight:	120kDa
Gene ID:	939
UniProt:	P26842
Pathways:	Production of Molecular Mediator of Immune Response, Cancer Immune Checkpoints

Application Details

Application Notes:	<p>Positive Control: Ramos cells. Human peripheral blood lymphocytes. Human tonsil and lymph node.</p> <p>Known Application: Flow Cytometry (1-2 µg/million cells),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.</p>
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

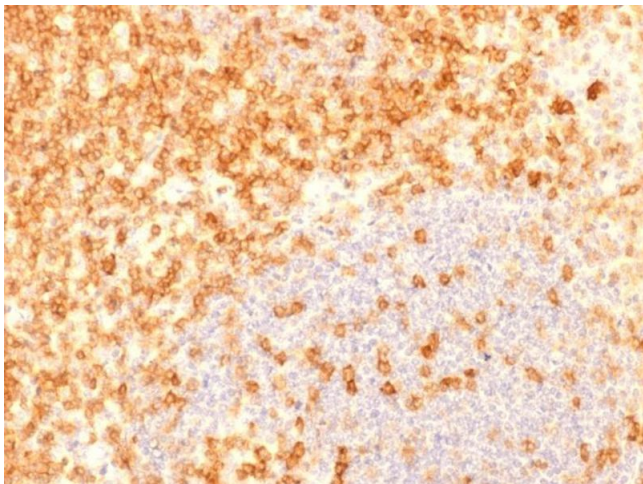


SDS-PAGE

Image 1. SDS-PAGE Analysis Purified CD27 Recombinant Mouse Monoclonal Antibody (rLPFS2/1611). Confirmation of Integrity and Purity of Antibody.

Flow Cytometry

Image 2. Flow Cytometric Analysis of Ramos cells using CD27 Recombinant Mouse Monoclonal Antibody (rLPFS2/1611) followed by goat anti-Mouse IgG-CF488 (Blue); Isotype Control (Red).



Immunohistochemistry

Image 3. Formalin-fixed, paraffin-embedded human Tonsil stained with CD27 Recombinant Mouse Monoclonal Antibody (rLPFS2/1611).