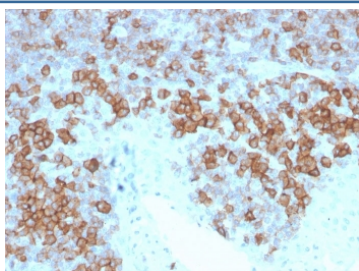


## CD27 Antibody [clone LPFS2/4177] (V8725)

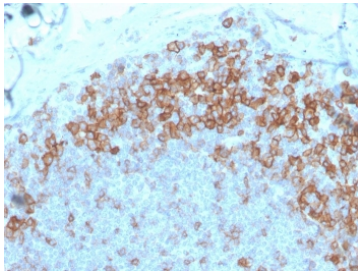
Catalog No.	Formulation	Size
V8725-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V8725-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V8725SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

**Bulk quote request**

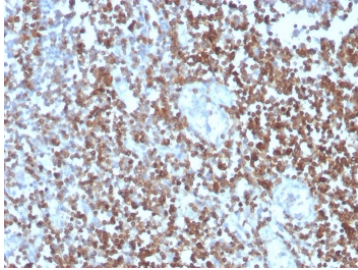
<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human
<b>Format</b>	Purified
<b>Clonality</b>	Monoclonal (mouse origin)
<b>Isotype</b>	Mouse IgG1, kappa
<b>Clone Name</b>	LPFS2/4177
<b>Purity</b>	Protein G affinity chromatography
<b>UniProt</b>	P26842
<b>Localization</b>	Cell surface
<b>Applications</b>	Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT Western Blot : 2-4ug/ml
<b>Limitations</b>	This CD27 antibody is available for research use only.



IHC staining of FFPE human tonsil with CD27 antibody (clone LPFS2/4177). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.

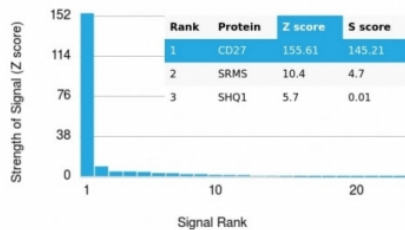


IHC staining of FFPE human tonsil with CD27 antibody (clone LPFS2/4177). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.

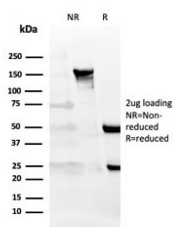


IHC staining of FFPE human tonsil with CD27 antibody (clone LPFS2/4177). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.

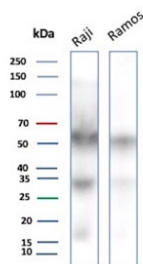
Human Protein Microarray Specificity Validation



Analysis of HuProt(TM) microarray containing more than 19,000 full-length human proteins using CD27 antibody (clone LPFS2/4177). These results demonstrate the foremost specificity of the LPFS2/4177 mAb. Z- and S- score: The Z-score represents the strength of a signal that an antibody (in combination with a fluorescently-tagged anti-IgG secondary Ab) produces when binding to a particular protein on the HuProt(TM) array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If the targets on the HuProt(TM) are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-scores. The S-score therefore represents the relative target specificity of an Ab to its intended target.



SDS-PAGE analysis of purified, BSA-free CD27 antibody (clone LPFS2/4177) as confirmation of integrity and purity.



Western blot testing of human Raji and Ramos cell lysate with CD27 antibody. Predicted molecular weight ~29 kDa but may be observed at higher molecular weights due to glycosylation.

## 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 NF B and SAPK/JNK and induces apoptosis.

## **Application Notes**

Optimal dilution of the CD27 antibody should be determined by the researcher.

## **Immunogen**

A portion of amino acids 28-170 from the human protein was used as the immunogen for the CD27 antibody.

## **Storage**

Store the CD27 antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).