abcam

Product datasheet

Anti-CD27 antibody [LPFS2/1611] ab268144

7 Images

Overview

Product name	Anti-CD27 antibody [LPFS2/1611]
Description	Mouse monoclonal [LPFS2/1611] to CD27
Host species	Mouse
Tested applications	**Suitable for:** Flow Cyt, IHC-P, Protein Array, ICC/IF
Species reactivity	**Reacts with:** Human
Immunogen	Recombinant full length protein within Human CD27 aa 1-260. The exact sequence is proprietary. Database link: **P26842**
Positive control	ICC/IF: Ramos cells. IHC-P: Human tonsil, spleen and colon tissue. Flow Cyt: Ramos cells.
General notes	The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing. If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.2 Preservative: 0.05% Sodium azide Constituents: PBS, 0.05% BSA
Purity	Protein A/G purified
Purification notes	Purified from bioreactor concentrate.
Clonality	Monoclonal
Clone number	LPFS2/1611
Isotype	IgG1
Light chain type	kappa

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab268144 in the following tested applications.

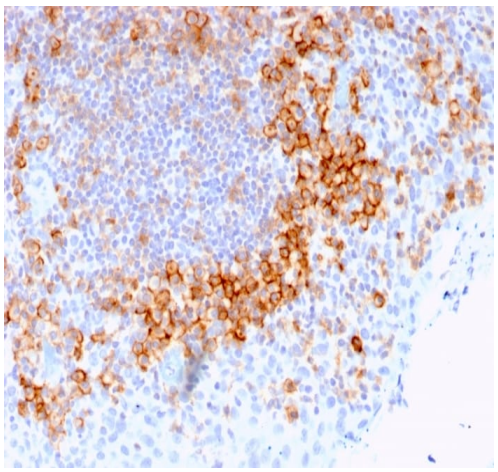
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
Flow Cyt		Use 1-2µg for 10^6 cells.
IHC-P		Use a concentration of 1 - 2 µg/ml. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.
Protein Array		Use at an assay dependent concentration.
ICC/IF		Use a concentration of 1 - 2 µg/ml.

Target

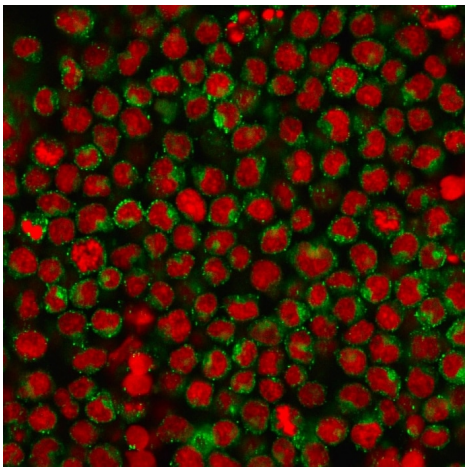
Function	Receptor for CD70/CD27L. May play a role in survival of activated T-cells. May play a role in apoptosis through association with SIVA1.
Tissue specificity	Found in most T-lymphocytes.
Sequence similarities	Contains 3 TNFR-Cys repeats.
Post-translational modifications	Phosphorylated and O-glycosylated.
Cellular localization	Membrane.

Images



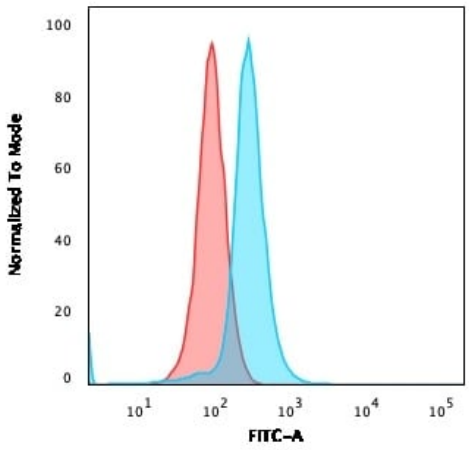
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD27 antibody [LPFS2/1611] (ab268144)

Formalin-fixed, paraffin-embedded human tonsil tissue stained for CD27 using ab268144 at 2 µg/ml in immunohistochemical analysis.



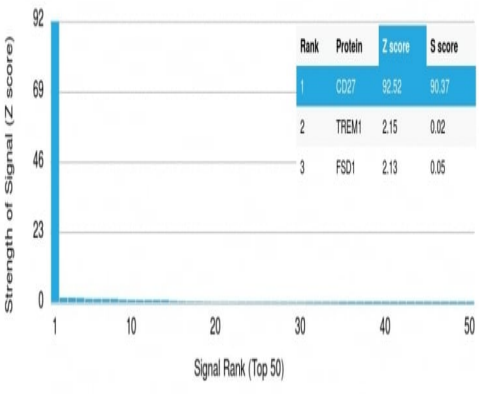
Immunocytochemistry/ Immunofluorescence - Anti-CD27 antibody [LPFS2/1611] (ab268144)

Immunocytochemistry/ Immunofluorescence staining of Ramos (Human Burkitt's lymphoma cell line) cells staind for CD27 using ab268144 at 2µg/ml followed by goat anti-Mouse IgG conjugated to CF488 (green). Nuclei are stained with Reddot.



Flow Cytometry - Anti-CD27 antibody [LPFS2/1611] (ab268144)

Flow cytometric analysis of Ramos (Human Burkitt's lymphoma cell line) cells labeling CD27 using ab268144 at 2 µg/million cells followed by goat anti-Mouse IgG-CF488 (Blue); Isotype Control (Red).

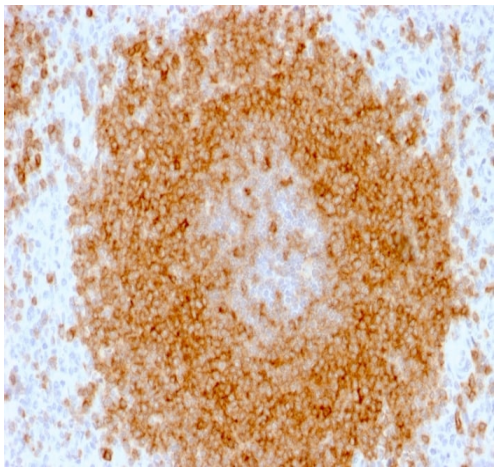


Protein Array - Anti-CD27 antibody [LPFS2/1611] (ab268144)

Protein Array containing more than 19,000 full-length human proteins using ab268144.

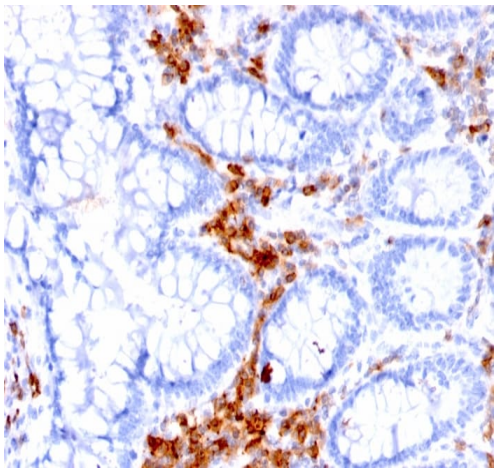
Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProtTM array. Z-scores are described in units of standard deviations (SD's) 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.



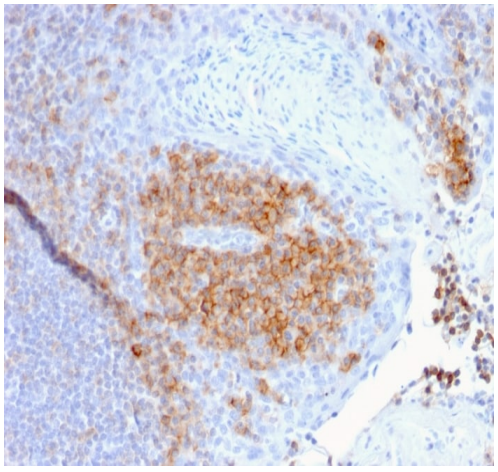
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD27 antibody [LPFS2/1611] (ab268144)

Formalin-fixed, paraffin-embedded human spleen tissue stained for CD27 using ab268144 at 2 µg/ml in immunohistochemical analysis.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD27 antibody [LPFS2/1611] (ab268144)

Formalin-fixed, paraffin-embedded human colon tissue stained for CD27 using ab268144 at 2 µg/ml in immunohistochemical analysis.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD27 antibody [LPFS2/1611] (ab268144)

Formalin-fixed, paraffin-embedded human tonsil tissue stained for CD27 using ab268144 at 2 µg/ml in immunohistochemical analysis.

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