

Anti-CD27 (Tumor Necrosis Factor Receptor Superfamily 7) Monoclonal Antibody

Catalog Number: M01148

About CD27

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 NFB and SAPK/JNK and induces apoptosis.

Overview

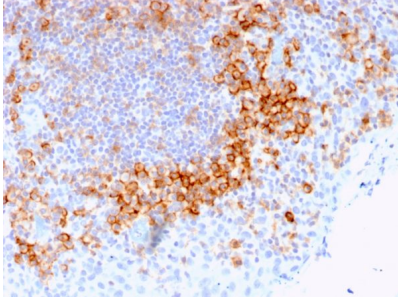
Product Name	Anti-CD27 (Tumor Necrosis Factor Receptor Superfamily 7) Monoclonal Antibody
Reactive Species	Human
Description	Boster Bio Anti-CD27 (Tumor Necrosis Factor Receptor Superfamily 7) Monoclonal Antibody (Catalog # M01148). Tested in ELISA, Flow Cytometry, IF, IHC applications. This antibody reacts with Human.
Conjugate	Biotin
Application	ELISA, Flow Cytometry, IF, IHC
Clonality	Monoclonal Clone: LPFS2/1611
Formulation	Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Storage Instructions	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.
Host	Mouse
Uniprot ID	P26842

Technical Details

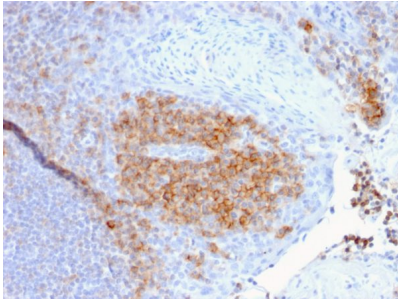
Immunogen	Recombinant full-length human CD27 protein
Predicted Reactive Species	Bovine, Canine, Mouse, Orangutan, Pig, Rabbit, Rat, Deer
Cross Reactivity	Does not cross-react with primate, avian or amphibian GR.
Isotype	IgG1, kappa
Form	Liquid

Concentration	Purified antibody with BSA and azide at 200ug/ml
Purification	200ug/ml of antibody purified from Bioreactor Concentrate by Protein A/G.
Suggested Dilutions	<p>Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.</p> <p>If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.</p> <p>Some PubMed article(s) citing the expression level of this target are as follows:</p> <p>Boster Bio's internal QC testing used:</p> <p>ELISA (For coating, order antibody without BSA)</p> <p>Flow Cytometry (1-2ug/million cells)</p> <p>Immunofluorescence (1-2ug/ml)</p> <p>Immunohistochemistry (Formalin-fixed) (1-2ug/ml for 30 minutes at RT) (Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris buffer with 1mM EDTA, pH 9.0, for 45 min at 95&degC followed by cooling at RT for 20 minutes)</p> <p>Optimal dilution for a specific application should be determined.</p>

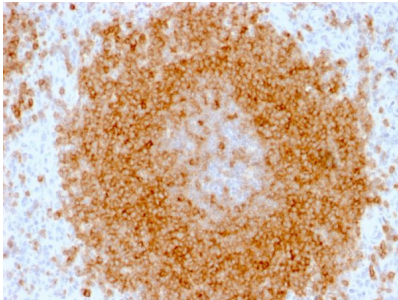
Anti-CD27 (Tumor Necrosis Factor Receptor Superfamily 7) Monoclonal Antibody (M01148) Images



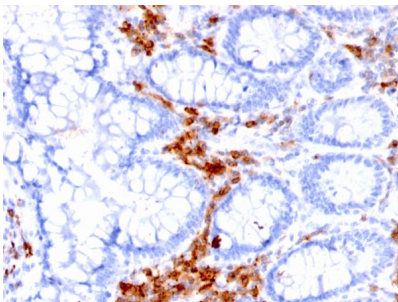
Formalin-fixed, paraffin-embedded human Tonsil stained with Anti-CD27 Mouse Monoclonal Antibody (LPFS2/1611)



Formalin-fixed, paraffin-embedded human Tonsil stained with Anti-CD27 Mouse Monoclonal Antibody (LPFS2/1611).

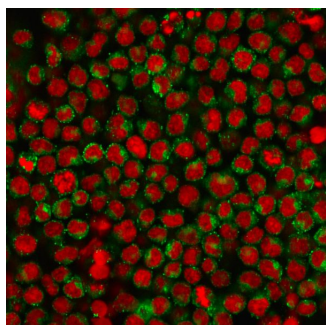
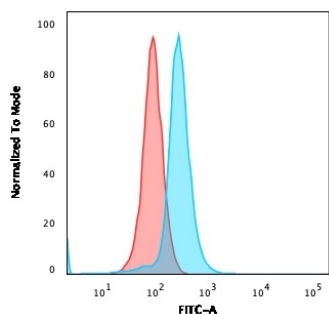


Formalin-fixed, paraffin-embedded human Spleen stained with Anti-CD27 Mouse Monoclonal Antibody (LPFS2/1611).



Formalin-fixed, paraffin-embedded human Colon stained with Anti-CD27 Mouse Monoclonal Antibody (LPFS2/1611).

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



Immunofluorescence staining of Ramos cells using Anti-CD27 Mouse Monoclonal Antibody (LPFS2/1611) followed by goat anti-Mouse IgG conjugated to CF488 (green). Nuclei are stained with Reddot.

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