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Anti-TNFRSF7/CD27 Picoband Antibody

Catalog # ABO12616

Specification

Anti-TNFRSF7/CD27 Picoband Antibody - Product Information

Application	**WB, IHC, FC**
Primary Accession	P26842
Host	**Rabbit**
Reactivity	**Human**
Clonality	**Polyclonal**
Format	**Lyophilized**

Description
Rabbit IgG polyclonal antibody for CD27 antigen(CD27) detection. Tested with WB, IHC-P, IHC-F, ICC, FCM in Human.

Reconstitution
Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Anti-TNFRSF7/CD27 Picoband Antibody - Additional Information

Gene ID 939

Other Names
CD27 antigen, CD27L receptor, T-cell activation antigen CD27, T14, Tumor necrosis factor receptor superfamily member 7, CD27, CD27, TNFRSF7

Calculated MW
29137 MW KDa

Application Details
Immunohistochemistry(Paraffin-embedded Section), 0.5-1 µg/ml, By Heat
Immunohistochemistry(Frozen Section), 0.5-1 µg/ml

 Immunocytochemistry, 0.5-1 µg/ml

Western blot, 0.1-0.5 µg/ml
Flow Cytometry, 1-3Î¼g/1x10⁶cells

Subcellular Localization
Membrane; Single-pass type I membrane protein.

Tissue Specificity
Found in most T-lymphocytes.

Protein Name
CD27 antigen

Contents
Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.

Immunogen
E. coli-derived human CD27 recombinant protein (Position: A20-R191). Human CD27 shares 62.8%

amino acid (aa) sequence identity with mouse CD27.

Purification
Immunogen affinity purified.

Cross Reactivity
No cross reactivity with other proteins

Storage	**At -20˚C for one year. After r˚Constitution, at 4˚C for one month. It˚Can also be aliquotted and stored frozen at -20˚C for a longer time.Avoid repeated freezing and thawing.**

Anti-TNFRSF7/CD27 Picoband Antibody - Protein Information

Name CD27

Synonyms TNFRSF7

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.

Cellular Location
Membrane; Single-pass type I membrane protein.

Tissue Location
Found in most T-lymphocytes.

Anti-TNFRSF7/CD27 Picoband Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-TNFRSF7/CD27 Picoband Antibody - Images

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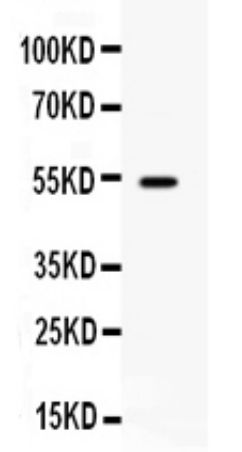
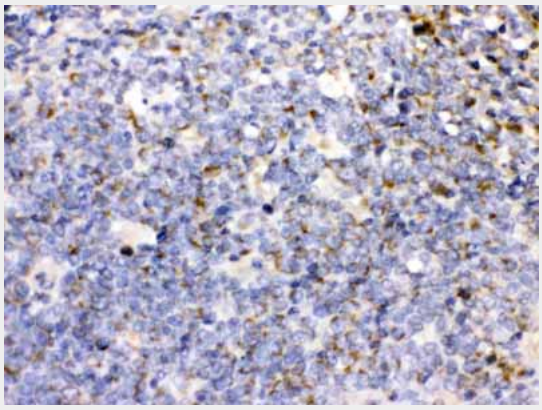


Western blot analysis of CD27 expression in HELA whole cell lysates (lane 1). CD27 at 51KD was detected using rabbit anti- CD27 Antigen Affinity purified polyclonal antibody (Catalog # ABO12616) at 0.5 ??g/mL. The blot was developed using chemiluminescence (ECL) method .



CD27 was detected in paraffin-embedded sections of human tonsil tissues using rabbit anti- CD27 Antigen Affinity purified polyclonal antibody (Catalog # ABO12616) at 1 Î¼g/mL. The immunohistochemical section was developed using SABC method .

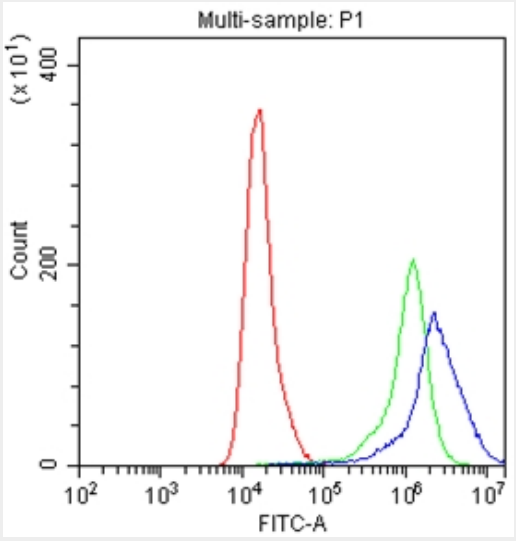


Figure 3. Flow Cytometry analysis of A549 cells using anti-CD27 antibody (ABO12616).Overlay histogram showing A549 cells stained with ABO12616 (Blue line).The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-CD27 Antibody (ABO12616,1Î¼g/1x106 cells) for 30 min at 20Â°C. DyLight?488 conjugated goat anti-rabbit IgG (BA1127, 5-10Î¼g/1x106

cells) was used as secondary antibody for 30 minutes at 20Â°C. Isotype control antibody (Green line) was rabbit IgG (1Î¼g/1x106) used under the same conditions. Unlabelled sample (Red line) was also used as a control.

Anti-TNFRSF7/CD27 Picoband Antibody - Background

CD27 is a member of the tumor necrosis factor receptor superfamily. This receptor is required for generation and long-term maintenance of T cell immunity. It binds to ligand CD70, and plays a key role in regulating B-cell activation and immunoglobulin synthesis. And this receptor transduces signals that lead to the activation of NF-kappaB and MAPK8/JNK. Adaptor proteins TRAF2 and TRAF5 have been shown to mediate the signaling process of this receptor. CD27-binding protein (SIVA), a proapoptotic protein, can bind to this receptor and is thought to play an important role in the apoptosis induced by this receptor.