

## Rabbit anti-Human CD27/TNFRSF7 Polyclonal Antibody | anti-CD27/TNFRSF7 antibody

Anti-CD27/TNFRSF7 Antibody, Rabbit Polyclonal

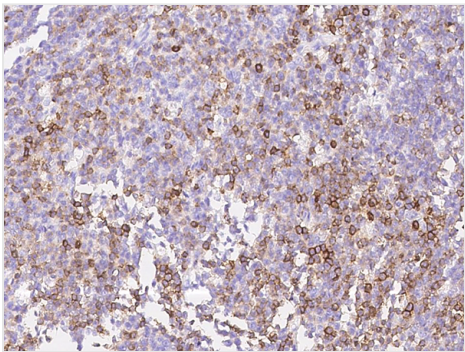
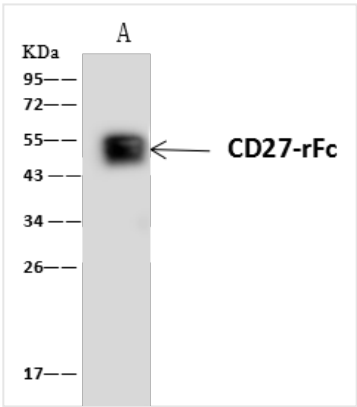
| CATALOG # | HOST   | REACTIVITY | APPLICATIONS                                            |
|-----------|--------|------------|---------------------------------------------------------|
| AAA258714 | Rabbit | Human      | Immunoprecipitation, Immunohistochemistry, Western Blot |

### PRODUCT SYNONYMS

CD27/TNFRSF7; Polyclonal Antibody; Anti-CD27/TNFRSF7 Antibody; Rabbit Polyclonal; CD27 molecule; Anti-S152 Antibody; Anti-S152. LPFS2 Antibody; Anti-S152.LPFS2 Antibody; Anti-T14 Antibody; Anti-TNFRSF7 Antibody; Anti-Tp55 Antibody; anti-CD27/TNFRSF7 antibody

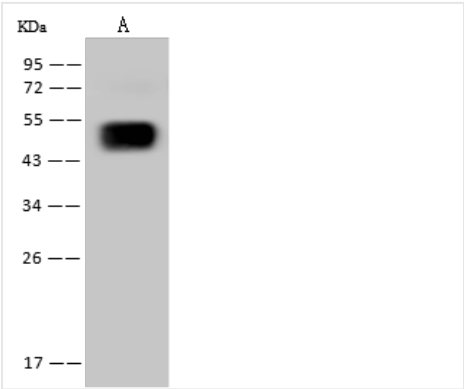
### PRODUCT SPECIFICATIONS

|                                                        |                                                                                                                                                                                                                                                    |
|--------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                                   | Rabbit                                                                                                                                                                                                                                             |
| Reactivity                                             | Human                                                                                                                                                                                                                                              |
| Clonality                                              | Polyclonal                                                                                                                                                                                                                                         |
| Isotype                                                | Rabbit IgG                                                                                                                                                                                                                                         |
| Specificity                                            | Human CD27/TNFRSF7                                                                                                                                                                                                                                 |
| Purity/Purification                                    | Protein A & Antigen Affinity                                                                                                                                                                                                                       |
| Form/Format                                            | Liquid; PBS, pH7.0 with 0.03% Proclin300                                                                                                                                                                                                           |
| Applicable Applications for anti-CD27/TNFRSF7 antibody | IP (Immunoprecipitation), IHC (Immunohistochemistry), WB (Western Blot)                                                                                                                                                                            |
| Immunogen                                              | Recombinant Human CD27 Protein                                                                                                                                                                                                                     |
| Preparation                                            | Produced in rabbits immunized with purified, recombinant Human CD27 (rh CD27). CD27 specific IgG was purified by Human CD27 affinity chromatography.                                                                                               |
| Preparation and Storage                                | This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Avoid repeated freeze-thaw cycles. |



**IHC (Immunohistochemistry)**  
Immunochemical staining of human CD27 in human tonsil with rabbit polyclonal antibody at 1:1000 dilution, formalin-fixed paraffin embedded sections.

**IP (Immunoprecipitation)**  
Lane A: 0.5 mg Raji Whole Cell Lysate 4 uL anti-CD27-rFc rabbit polyclonal antibody and 60 ug of Immunomagnetic beads Protein A/G. Primary antibody: Anti-CD27-rFc rabbit polyclonal antibody, at 1:100 dilution Secondary antibody: Clean-Blot IP Detection Reagent (HRP) at 1:1000 dilution Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 29 kDa Observed band size :50 kDa



**WB (Western Blot)**  
Anti-CD27 rabbit polyclonal antibody at 1:1000 dilution Lane A: Raji Whole Cell Lysate Lysates/proteins at 30 ug per lane. Secondary Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 29 kDa Observed band size: 54 kDa

ADDITIONAL INFORMATION

|                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|-------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Related Product Information for anti-CD27/TNFRSF7 antibody</b> | CD27, also known as TNFRSF7, is a member of the TNF-receptor superfamily limited to cells of the lymphoid lineage, and exists as both a dimeric glycoprotein on the cell surface and as a soluble protein in serum. As a type I transmembrane glycoprotein of about 55 kDa existing as disulfide-linked homodimer, CD27 has been shown to play roles in lymphoid proliferation, differentiation, and apoptosis. It has an important role in the generation of T cell immunity and is an robust marker for normal memory B cells. It is a T and B cell co-stimulatory molecule, the activity of CD27 is governed by its TNF-like ligand CD70 on lymphocytes and dendritic cells. The CD27-CD70 interaction is required for Th1 generation responses to differentiation signals and long-term maintenance of T cell immunity, and meanwhile, plays a key role in regulating B-cell differentiation, activation and immunoglobulin synthesis. |
| <b>References</b>                                                 | Drner T, et al. (2004) Correlation of circulating CD27 high plasma cells and disease activity in systemic lupus erythematosus.<br>Lupus. 13(5): 283-9. Sahota SS, et al. (2009) CD27 in defining memory B-cell origins in Waldenström's macroglobulinemia. Clin Lymphoma Myeloma. 9(1): 33-5.<br>Jiang J, et al. (2010) Reduced CD27 expression on antigen-specific CD4+ T cells correlates with persistent active tuberculosis. J Clin Immunol. 30(4): 566-73.                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.