Human CD27 Ligand/TNFSF7 Biotinylated Antibody

Antigen Affinity-purified Polyclonal Goat IgG
Catalog Number: BAF2738

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human CD27 Ligand/TNFSF7 in Western blots. In Western blots, approximately 10% cross-reactivity with recombinant mouse CD27 Ligand and recombinant human CD30 Ligand is observed.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	Mouse myeloma cell line NS0-derived recombinant human CD27 Ligand/TNFSF7 Gln45-Pro193 Accession # AAA36175
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with BSA as a carrier protein. See Certificate of Analysis for details.

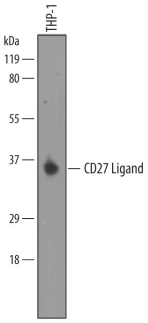
APPLICATIONS

Please Note: *Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.*

	Recommended Concentration	Sample
Western Blot	0.1 µg/mL	See Below

DATA

Western Blot



Detection of Human CD27 Ligand/TNFSF7 by Western Blot. Western blot shows lysates of THP-1 human acute monocytic leukemia cell line. PVDF membrane was probed with 0.1 µg/mL of Goat Anti-Human CD27 Ligand/TNFSF7 Biotinylated Antigen Affinity-purified Polyclonal Antibody (Catalog # BAF2738) followed by HRP-conjugated Anti-Goat IgG Secondary Antibody (Catalog # HAF019). A specific band was detected for CD27 Ligand/TNFSF7 at approximately 33-35 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 8.

PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.2 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	**Use a manual defrost freezer and avoid repeated freeze-thaw cycles.** • 12 months from date of receipt, -20 to -70 °C as supplied. • 1 month, 2 to 8 °C under sterile conditions after reconstitution. • 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

Human CD27 Ligand (also CD70) is a 30 kDa type 2 transmembrane glycoprotein that is a member of the TNF superfamily. It contains a 20 amino acid (aa) cytoplasmic region and a 155 aa extracellular domain that shows multiple β-strands. It is an inducible trimer that occurs on B cells, T cells, and NK cells. It regulates T cell dependant B cell differentiation into plasma cells and likely to promotes clonal expansion of T cells. Human CD27 Ligand extracellular region is 64% aa identical to mouse and rat CD27 Ligand extracellular regions.

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