



Anti-CD70 polyclonal antibody [Biotin] (DPABY-599)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	CD27 Ligand, also known as CD70 and TNFSF7, is a type II transmembrane glycoprotein belonging to the TNF superfamily (TNFSF). CD27 Ligand expression is induced by antigen-receptor activation in B cells. CD27/TNFSF7 is expressed on natural killer (NK) cells and subsets of T and B cells. CD27 ligation on NK cells induces proliferation and IFN production. CD27 ligation on T cells provides a co-stimulatory signal required for T cell proliferation, clonal expansion and the promotion of effector T cell formation. CD27 ligation on B cells inhibits terminal differentiation of activated B cells into plasma cells and enhances commitment to memory B cell responses.
Specificity	Detects mouse CD27 Ligand/TNFSF7 in ELISAs and Western blots. In sandwich immunoassays, less than 0.1% cross-reactivity with recombinant human CD27 Ligand, recombinant mouse (rm)CD30Ligand, and rmCD40 Ligand is observed.
Immunogen	S. frugiperda insect ovarian cell line Sf 21-derived recombinant mouse CD27 Ligand/TNFSF7. Gln47-Pro195 Accession Number O55237
Isotype	IgG
Source/Host	Goat
Species Reactivity	Mouse
Purification	Antigen Affinity-purified
Conjugate	Biotin
Applications	Western Blot, ELISA Detection (Matched Pair)
Format	Liquid

Size	50 µg
Buffer	Lyophilized from a 0.2 µm filtered solution in phosphate-buffered saline (PBS) containing 50 µg of bovine serum albumin (BSA) per 1 µg of antibody.
Preservative	None
Storage	Lyophilized samples are stable for twelve months from date of receipt when stored at -20 °C to -70 °C. Upon reconstitution, the antibody can be stored at 2 °C - 8 °C for 1 month without detectable loss of activity. Reconstituted antibody can also be aliquotted and stored frozen at -20 °C to -70 °C in a manual defrost freezer for six months without detectable loss of activity. Avoid repeated freeze-thaw cycles.

GENE INFORMATION

Gene Name	Cd70 CD70 antigen [Mus musculus (house mouse)]
Official Symbol	CD70
Synonyms	CD70; CD70 antigen; Cd27l; CD27LG; Tnfsf7; CD27-L; CD27 ligand; Ki-24 antigen; tumor necrosis factor ligand superfamily member 7; tumor necrosis factor (ligand) superfamily, member 7;
Entrez Gene ID	21948
Protein Refseq	NP_035747
UniProt ID	O55237
Chromosome Location	17 C-D; 17 29.69 cM
Pathway	Cytokine-cytokine receptor interaction;
Function	cytokine activity; protease binding; tumor necrosis factor receptor binding;