



Anti-CD70 monoclonal antibody, clone 229620 (DCABY-4127)

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 direct ELISAs. In direct ELISAs, no cross-reactivity with recombinant human (rh) CD30 Ligand or rhCD40 Ligand is observed.
Immunogen	S. frugiperda insect ovarian cell line Sf 21-derived recombinant mouse CD27 Ligand/TNFSF7. Gln47-Pro195 Accession Number O55237
Isotype	IgG1
Source/Host	Rat
Species Reactivity	Mouse
Clone	229620
Purification	Protein A or G purified from hybridoma culture supernatant
Conjugate	Unconjugated
Applications	ELISA Capture (Matched Pair), Neutralization
Format	Liquid

Size	500 µg
Buffer	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose.
Preservative	None
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.

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;