

Anti-CD27 [LG.3A10] Standard Size Ab00670-2.3

This antibody was created using our proprietary Fc Silent™ engineered Fc domain containing key point mutations that abrogate binding to Fc gamma receptors.

This chimeric mouse antibody was made using the variable domain sequences of the original Hamster IgG format, for improved compatibility with existing reagents, assays and techniques.

Isotype and Format: Mouse IgG2a, [Fc Silent™](#), Kappa

Clone Number: LG.3A10

Alternative Name(s) of Target: TNFRS7; CD27L receptor; T-cell activation antigen CD27; Tumor necrosis factor receptor superfamily member 7

UniProt Accession Number of Target Protein: P41272

Published Application(s): Activating, IP, FC, IF

Published Species Reactivity: Rat, Human, Mouse

Immunogen: This antibody was produced by injecting Armenian hamsters intraperitoneally with a mixture of two murine CD27 tag-expressing Armenian hamster fibroblast clones (AR0524 and AR0530) in Freund's adjuvant

Specificity: This antibody is specific for mouse CD27, which, as in the human system, is largely restricted to cells of the T cell lineage, and is expressed on the great majority of both $\alpha\beta$ and $\gamma\delta$ T lymphocytes, and thymocytes.

Application Notes: This antibody is specific for murine CD27, and has been used to assess the distribution of CD27 expression using IF, FC and IP analysis (Gravstein, 1995). Upon cross-linking, this antibody has been shown to induce a 4-fold increase in T cell proliferation in response to suboptimal stimulation with concanavalin A (Gravstein, 1995), indicating that this antibody is able to mimic ligand binding.

Antibody First Published in: Gravstein et al. Novel mAbs reveal potent co-stimulatory activity of murine CD27 International immunology, April 1995, Vol.7(4), pp.551-7 [PMID:7547681](#)

Note on publication: Describes the original use of this antibody to elucidate the distribution and co-stimulatory activity of CD27.

Product Form

Size: 200 µg Purified antibody.

Purification:

Protein A affinity purified

Supplied In: PBS with 0.02% Proclin 300.

Storage Recommendation: Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C.

Concentration: 1 mg/ml.

Important note - This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.