



Anti-CD27 monoclonal antibody, clone LG.3A10 (CABT-54688HM)

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

PRODUCT INFORMATION

Product Overview

Clone LG.3A10 recognises mouse, rat and human CD27, a member of the tumour necrosis factor receptor superfamily. It is expressed in the thymus and spleen, but not in non-lymphoid tissues. CD27 acts as a ligand for CD70, which is expressed in T and B cells, and acts as a costimulatory signal in lymphocyte proliferation and immunoglobulin production. CD27 lacks a death domain in its short cytoplasmic tail, but can induce apoptosis by binding with the apoptosis regulatory protein Siva (also known as CD27-binding protein). Flow Cytometry Use 10ul of the suggested working dilution to label 1x10⁶ cells in 100ul.

Specificity

CD27

Immunogen

Armenian hamster fibroblast line ARHO12 transfected with mouse CD27 cDNA.

Isotype

IgG

Source/Host

Hamster

Species Reactivity

Mouse, Human, Rat

Clone

LG.3A10

Conjugate

Unconjugated

Applications

IHC-Fr; FC; IP

Format

Purified IgG - liquid

Size

250 µg

Preservative

0.09% Sodium Azide

Storage

in frost-free freezers is not recommended. This product should be stored undiluted. Avoid

repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

GENE INFORMATION

Gene Name	Cd27 CD27 antigen [<i>Mus musculus</i> (house mouse)]
Official Symbol	CD27
Synonyms	CD27; CD27 antigen; S152; Tp55; Tnfrsf7; CD antigen 27; CD27L receptor; T-cell activation antigen CD27; tumor necrosis factor receptor superfamily member 7; tumor necrosis factor receptor superfamily, member 7;
Entrez Gene ID	21940
Protein Refseq	NP_001028298
UniProt ID	Q501W2
Chromosome Location	6 F3; 6 59.32 cM
Pathway	Cytokine-cytokine receptor interaction;
Function	cysteine-type endopeptidase inhibitor activity involved in apoptotic process; protein binding;