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CD63 Knockout 293T Cell Lysate, Homozygous

Catalog No.: RM02188

Basic Information

Catalog No.
RM02188

Category
Cell Lysate

Parental Cell line
293T

Genotype
Knockout

Background

The protein encoded by this gene is a member of the transmembrane 4 superfamily, also known as the tetraspanin family. Most of these members are cell-surface proteins that are characterized by the presence of four hydrophobic domains. The proteins mediate signal transduction events that play a role in the regulation of cell development, activation, growth and motility. The encoded protein is a cell surface glycoprotein that is known to complex with integrins. It may function as a blood platelet activation marker. Deficiency of this protein is associated with Hermansky-Pudlak syndrome. Also this gene has been associated with tumor progression. Alternative splicing results in multiple transcript variants encoding different protein isoforms. [provided by RefSeq, Apr 2012]

Gene Information

Gene Symbol
CD63

Species
Human

Gene ID
967

Swiss Prot
P08962

Synonyms
LAMP-3; ME491; MLA1; OMA81H; TSPAN30

Product Information

Description
CD63 Knockout 293T Cell Line is engineered from 293T cell line with Gene-Editing technology.
Allele-1:77bp deletion in exon3
Allele-2:77bp deletion in exon3
Mammalian cells such as human, rat and mouse cells are normally diploid with two alleles. Homozygote: both alleles were knocked out, mRNA has no signal, no expression of proteins. Heterozygote: only one allele was knocked out, the mRNA transcript levels was decreased compared to wild type, and the protein expression levels was also lower than that of the wild type.

Packaging
1 vial parental cell Lysate and 1 vial knockout cell Lysate

Shipping Conditions
4℃

Amount
50μL, 2μg/μL.

Storage
Store at -20℃

Protocol
To be used as WB control. Lysate is supplied in 1× SDS sample buffer (2% SDS, 60 mM Tris-HCl pH 6.8, 10% Glycerol, 0.02% Bromophenol blue, 60 mM beta-mercaptoethanol). Lysate should be boiled for 3 - 5 minutes before loading onto gel.

Contact

400-999-6126

cn.market@abclonal.com.cn

www.abclonal.com.cn

Sequencing data

WT ATCCCTTCCATGTC**********ATAAGGAGGTAGGG
Mut ATCCCTTCCATGTC***Deletion***ATAAGGAGGTAGGG
Allele-1: 77bp deletion in exon3

WT ATCCCTTCCATGTC**********ATAAGGAGGTAGGG
Mut ATCCCTTCCATGTC***Deletion***ATAAGGAGGTAGGG
Allele-2: 77bp deletion in exon3

Genome sequence analysis of PCR products from parental (WT) and CD63 knockout (KO) 293T cells, using sanger sequencing.

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