Leader in Biomolecular Solutions for Life Science

www.abclonal.com

CD21 Knockout 293T Cell Lysate, Homozygous

Catalog No.: RM02573

Basic Information

Catalog No.
RM02573

Category
Cell Lysate

Parental Cell line
293T

Genotype
Knockout

Background

This gene encodes a membrane protein, which functions as a receptor for Epstein-Barr virus (EBV) binding on B and T lymphocytes. Genetic variations in this gene are associated with susceptibility to systemic lupus erythematosus type 9 (SLEB9). Alternatively spliced transcript variants encoding different isoforms have been found for this gene.[provided by RefSeq, Sep 2009]

Gene Information

Gene Symbol
CD21

Species
Human

Gene ID
1380

Swiss Prot
P20023

Synonyms
C3DR; CD21; CR; CVID7; SLEB9

Product Information

Description
CD21 Knockout 293T Cell Line is engineered from 293T cell line with Gene-Editing technology.
Allele-1:79bp deletion in exon2;Allele-2:79bp deletion in exon2
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
Lysate is stable for 12 months when stored at -20℃. Minimizing freeze-thaw cycles.

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    CCTCCGCCTATCCT**********CTCATTGGAGAAAA
Mut   CCTCCGCCTTTTAG***Deletion***CTCATTGGAGAAAA
Allele-1:   79bp deletion in exon2

WT    CCTCCGCCTATCCT**********CTCATTGGAGAAAA
Mut   CCTCCGCCTTTTAG***Deletion***CTCATTGGAGAAAA
Allele-2:   79bp deletion in exon2
```

Genome sequence analysis of PCR products from parental (WT) and CD21 knockout (KO) 293T cells, using sanger sequencing.