

CD33 Knockout HeLa Cell Lysate, Homozygous

Catalog No.: RM02005

Basic Information

Catalog No.

RM02005

Category

Cell Lysate

Parental Cell line

HeLa

Genotype

Knockout

Gene Information

Gene Symbol

CD33

Species

Human

Gene ID

945

Swiss Prot

P20138

Synonyms

SIGLEC-3; SIGLEC3; p67

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Background

Product Information

Description

CD33 Knockout HeLa Cell Line is engineered from HeLa cell line with Gene-Editing technology.

Allele-1:121bp deletion in exon2

Allele-2:121bp 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°C

Amount

50μL, 2μg/μL.

Storage

Lysate is stable for 12 months when stored at -20°C. 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.

Sequencing data

WT GGGAAACCCCCGA*****CGCTGGAGCTGGTG
Mut GGGAAACCCCCGA***Deletion***CGCTGGAGCTGGTG
Allele-1: 121bp deletion in exon2
WT GGGAAACCCCCGA*****CGCTGGAGCTGGTG
Mut GGGAAACCCCCGA***Deletion***CGCTGGAGCTGGTG
Allele-2: 121bp deletion in exon2

Genome sequence analysis of PCR products from parental (WT) and CD33 knockout (KO) HeLa cells, using sanger sequencing.