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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

Contact

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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℃

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.

Sequencing data

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

WT     GGGAACACCCCCGA**************CGCTGGAGCTGGTG
Mut    GGGAACACCCCCGA***Deletion***CGCTGGAGCTGGTG
Allele-2：121bp deletion in exon2
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Genome sequence analysis of PCR products from parental (WT) and CD33 knockout (KO) HeLa cells, using sanger sequencing.

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