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MYD88 Knockout HeLa Cell Lysate, Homozygous

Catalog No.: RM02192

Basic Information

Catalog No.
RM02192

Category
Cell Lysate

Parental Cell line
HeLa

Genotype
Knockout

Gene Information

Gene Symbol
MYD88

Species
Human

Gene ID
4615

Swiss Prot
Q99836

Synonyms
MYD88D

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Background

This gene encodes a cytosolic adapter protein that plays a central role in the innate and adaptive immune response. This protein functions as an essential signal transducer in the interleukin-1 and Toll-like receptor signaling pathways. These pathways regulate that activation of numerous proinflammatory genes. The encoded protein consists of an N-terminal death domain and a C-terminal Toll-interleukin1 receptor domain. Patients with defects in this gene have an increased susceptibility to pyogenic bacterial infections. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Feb 2010]

Product Information

Description
MYD88 Knockout HeLa Cell Line is engineered from HeLa cell line with Gene-Editing technology.
Allele-1:65bp deletion in exon1
Allele-2:85bp deletion in exon1
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

```
WT     CTTGAACGTGCGGA**************CAACTGGAGACACA
Mut    CTTGAACGTGCGGA***Deletion***AAACTGGAGACACA
Allele-1：65bp deletion in exon1

WT     CTTGAACGTGCGGA**************CCCCACTGGCAGGC
Mut    CTTGAACGTGCGGA***Deletion***CCCCACTGGCAGGC
Allele-2：85bp deletion in exon1
```

Genome sequence analysis of PCR products from parental (WT) and MYD88 Knockout (KO) HeLa cells, using sanger sequencing.

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