

# 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

## Contact

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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°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

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WT CTTGAACGTGCGGA\*\*\*\*\*CAACTGGAGACACA  
Mut CTTGAACGTGCGGA\*\*\*Deletion\*\*AACTGGAGACACA  
Allele-1: 65bp deletion in exon1  
WT CTTGAACGTGCGGA\*\*\*\*\*CCCCTGGCAGGC  
Mut CTTGAACGTGCGGA\*\*\*Deletion\*\*\*CCCCTGGCAGGC  
Allele-2: 85bp deletion in exon1

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