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FOXP3 Knockout HeLa Cell Lysate, Homozygous

Catalog No.: RM02056

Basic Information

Catalog No.
RM02056

Category
Cell Lysate

Parental Cell line
HeLa

Genotype
Knockout

Gene Information

Gene Symbol
FOXP3

Species
Human

Gene ID
50943

Swiss Prot
Q9BZS1

Synonyms
AIID; DIETER; IPEX; JM2; PIDX; XPID

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Background

The protein encoded by this gene is a member of the forkhead/winged-helix family of transcriptional regulators. Defects in this gene are the cause of immunodeficiency polyendocrinopathy, enteropathy, X-linked syndrome (IPEX), also known as X-linked autoimmunity-immunodeficiency syndrome. Alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq, Jul 2008]

Product Information

Description
FOXP3 Knockout HeLa Cell Line is engineered from HeLa cell line with Gene-Editing technology.
Allele-1:38bp deletion in exon2
Allele-2:44bp 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.

Sequencing data

WT CCGAGATCTTCGAG**********CCACCATCGCAGCT
Mut CCGAGATCTTCGAG***Deletion***CCACCATCGCAGCT
Allele-1: 38bp deletion in exon2

WT CCAGGGCCGAGATC**********CCACCATCGCAGCT
Mut CCAGGGCCGAGATC***Deletion***CCACCATCGCAGCT
Allele-2: 44bp deletion in exon2

Genome sequence analysis of PCR products from parental (WT) and FOXP3 knockout (KO) HeLa cells, using sanger sequencing.