Leader in Biomolecular Solutions for Life Science

www.abclonal.com

FOXP3 Knockout HeLa Cell Line, Homozygous

Catalog No.: RM01930

Basic Information

Catalog No.
RM01930

Category
Cell Line

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

Contact

400-999-6126

cn.market@abclonal.com.cn

www.abclonal.com.cn

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 line and 1 vial knockout cell line

Shipping Conditions
Dry ice

Amount
1~5x10^6 cells/vial

Storage
Store at -20℃

Protocol
Upon arrival, it should be maintained in DMEM medium with 10%(v/v) fetal bovine serum and 100U penicillin-streptomycin, at 37℃ with 5% CO_2 condition.
1. Thaw the vial in 37℃ water bath ,and shake it to melt as soon as possible.
2. Transfer the cell suspension to a 15mL conical tube with pre-warmed 5mL complete medium and centrifuge 1000rpm for approximately 5 minutes at room temperature.
3. Remove and discard the supernatant.
4. Resuspend the cell pellet with 1mL pre-warmed complete medium and seed in 10cm dish.
5. Add 8-10mL of complete medium.
6. Incubate the culture at 37℃ incubator with 5% CO_2.
7. A subcultivation ratio of 1:2-1:4 is recommended.

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.

For research use only. Not for therapeutic or diagnostic purposes.
Please visit http://abclonal.com for a complete listing of recommended products.