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Product Information

MemDX™ Mouse TLR7 HEK293 Cell Line

Cat. No.: **S01YF-0123-KX432**
This product is for research use only and is not intended for diagnostic use.

Product Information

Target Protein
TLR7

Target Protein Species
Mouse

Host Cell Type
HEK293

Target Classification
Immune Checkpoint

Target Family
Immune Checkpoint

Target Research Area
Autoimmune Research; Immunology Research

Related Diseases
mmunodeficiency; Systemic Lupus Erythematosus

Product Properties

Morphology
Adherent

Assay Types
Drug screening and biological assays

Mycoplasma Testing
Negative

Biosafety Level
Level 1

Activity
Yes

Quantity

$3x10^6$ cells

Form

Frozen cells

Selective Antibiotic(s)

Regular antibiotics active against mycoplasmas, bacteria and fungi.

Handling Notes

Frozen cells should be thawed immediately upon receipt and grown according to handling procedure to ensure cell viability and proper assay performance.
Note: Do not freeze the cells upon receipt as it may result in irreversible damage to the cell line.
Disclaimer: We cannot guarantee cell viability if the cells are not thawed immediately upon receipt and grown according to handling procedure.

Incubation

37°C with 5% CO_2

Applications

Drug screening and biological assays

Application Notes

Cells were plated in a 384-well plate and incubated overnight at 37°C and 5% CO_2 to allow the cells to attach and grow. Cells were then stimulated with a control for high-throughput drugs screening andfunctional assays.

Use Restrictions

These cells are distributed for research use only.

Shipping

Dry ice

Storage

Liquid nitrogen

Target

Full Name

Toll-like receptor 7

Introduction

Enables siRNA binding activity and single-stranded RNA binding activity. Involved in several processes, including positive regulation of macromolecule metabolic process; response to virus; and toll-like receptor 7 signaling pathway. Acts upstream of or within positive regulation of interleukin-6 production and regulation of protein phosphorylation. Located in cytoplasmic vesicle; endoplasmic reticulum; and lysosome. Is expressed in brain and liver. Used to study systemic lupus erythematosus. Human ortholog(s) of this gene implicated in COVID-19 and X-Linked immunodeficiency 74. Orthologous to human TLR7 (toll like receptor 7).

Alternative Names

TLR7; toll-like receptor 7

Gene ID

170743

UniProt ID

P58681