

HK Mad2-LAP/H2B-mCherry | 300920

General information

Description	HK Mad2-LAP/H2B-mCherry is a cell line derived from HeLa cells expressing the HK Mad2-LAP/H2B-mCherry fusion protein. The cells are maintained in DMEM supplemented with 10% FBS and 1% penicillin/streptomycin. The cells are characterized by high transfection efficiency and stable expression of the HK Mad2-LAP/H2B-mCherry fusion protein. The cells are used for studying the function of the HK Mad2-LAP/H2B-mCherry fusion protein in cell cycle regulation and DNA damage response.
Organism	Human
Tissue	Epithelial cells
Disease	None
Synonyms	HeLa Kyoto Mad2-LAP H2B-mCherry, HeLa Kyoto Mad2-LAP

Cell culture

Age	30 days
Gender	Male
Ethnicity	Chinese
Morphology	Epithelial cells, adherent
Growth properties	High growth rate, stable

Genetic information

Citation	HK Mad2-LAP/H2B-mCherry (Cytion 300920)
Biosafety level	1
NCBI_TaxID	9606
CellosaurusAccession	CVCL_1D65
Depositor	EMBL

GMO Status: GMO-S1: HeLa Kyoto cells expressing HK Mad2-LAP H2B-mCherry

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Cell line: HEK293T

Protein expression	Mad2-LAP/H2B-mCherry
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Media

Culture Medium	DMEM, w: 4.5 g/L D-glucose, w: 4 mM L-glutamine, w: 3.7 g/L NaHCO ₃ , w: 1.0 mM β -mercaptoethanol (Cytion 820300a)
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Supplements	10% FBS
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Dissociation Reagent	Trypsin
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Subculturing	Cells are seeded into T25 flasks at a density of 1×10^4 cells per flask. Media is replaced every 2-3 days. Cells are passaged when they reach 80-90% confluency.
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Seeding density	1×10^4 cells per flask
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Fluid renewal	2-3 times per week
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Post-Thaw Recovery	Cells are thawed into pre-warmed medium and seeded into T25 flasks. Media is replaced every 24 hours.
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Freeze medium	DMEM + 10% FBS + 10% DMSO
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Thawing and
Culturing Cells

1. 将细胞悬液缓慢加入含有培养基的细胞培养瓶中，轻轻混匀，将细胞培养瓶置于37°C CO₂培养箱中培养。
2. 将细胞培养瓶置于37°C CO₂培养箱中培养，待细胞贴壁后，将培养基更换为新鲜培养基。
3. 将细胞培养瓶置于37°C CO₂培养箱中培养，待细胞贴壁后，将培养基更换为新鲜培养基。
4. 将细胞培养瓶置于37°C CO₂培养箱中培养，待细胞贴壁后，将培养基更换为新鲜培养基。
5. 将细胞培养瓶置于37°C CO₂培养箱中培养，待细胞贴壁后，将培养基更换为新鲜培养基。
6. 将细胞培养瓶置于37°C CO₂培养箱中培养，待细胞贴壁后，将培养基更换为新鲜培养基。
7. 将细胞培养瓶置于37°C CO₂培养箱中培养，待细胞贴壁后，将培养基更换为新鲜培养基。
8. 将细胞培养瓶置于37°C CO₂培养箱中培养，待细胞贴壁后，将培养基更换为新鲜培养基。

Incubation
Atmosphere

37°C, 5% CO₂, 饱和湿度

Flask Coating

无涂层

Freezing
Procedure

将细胞悬液加入含有冻存液的冻存管中，轻轻混匀，将冻存管置于-80°C冰箱中冻存。

Shipping
Conditions

将细胞悬液加入含有冻存液的冻存管中，轻轻混匀，将冻存管置于-80°C冰箱中冻存。

Storage
Conditions

将细胞悬液加入含有冻存液的冻存管中，轻轻混匀，将冻存管置于-80°C冰箱中冻存。

细胞培养与转染

Sterility

细胞培养与转染过程中，应严格遵守无菌操作规范，避免污染。PCR扩增应在专用区域进行，避免交叉污染。