

Product sheet

Sp2/0-Ag14 | 400481

General information

Description	Mouse Sp2/0-Ag14, a murine myeloma cell line, is a derivative of the Sp2/0 cell line, which is a derivative of the Sp2 cell line. It is a B cell myeloma cell line, which is a derivative of the Sp2 cell line. It is a B cell myeloma cell line, which is a derivative of the Sp2 cell line.
Organism	Mouse
Tissue	B cell
Disease	Myeloma B
Synonyms	SP2/0-Ag14, SP2/0-AG14, SP2/0-ag14, Sp2/O-Ag14, SP2/O-Ag14, Sp2/0-Ag-14, SP2-0-Ag14, SP2/0 Ag-14, SP-2/0-AG14, Sp 2/0-Ag 14, Sp2/0, SP2/0, Sp2/O, SP2/O, SP-2, SP2, GM03569, GM3569, GM03569B, GM3569B, GM03569D

Genetic information

Breed/Subspecies	BALB/c
Morphology	Mouse
Growth properties	Adherent

Cell culture and storage

Citation	Sp2/0-Ag14 (Cytion 400481)
Biosafety level	1
NCBI_TaxID	10090
CellosaurusAccession	CVCL_2199

Antigen presentation

Antigen expression	H-2d
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Viruses: No viruses are present in this cell line.

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Overview

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 NaH_2PO_4 (Cytion 820300a)
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Supplements	10% FBS
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Subculturing	Cells are detached by trypsinization. Cells are resuspended in PBS and seeded into new flasks (3-5 $\times 10^5$ cells per flask).
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Seeding density	1 $\times 10^5$ cells per flask
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Fluid renewal	2-3 times per week
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Freeze 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 NaH_2PO_4 , 10% FBS + 10% DMSO
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Thawing and Culturing Cells	- Cells are thawed in a water bath at 37°C. - Cells are resuspended in DMEM + 10% FBS. - Cells are seeded into a flask. - Cells are allowed to attach for 24 hours. - Cells are trypsinized and counted. - Cells are seeded into a flask at a density of 1 $\times 10^5$ cells per flask. - Cells are allowed to attach for 24 hours. - Cells are trypsinized and counted.
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Incubation Atmosphere	37°C, 5% CO_2 , humidified
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Flask Coating	Not required
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Freezing
Procedure

1. Remove the cells from the incubator and centrifuge at 300 x g for 5 minutes. 2. Remove the supernatant and resuspend the cells in 1 ml of freezing medium. 3. Mix gently and transfer to a cryovial. 4. Freeze at -78°C.

Shipping
Conditions

1. The cells should be shipped on dry ice. 2. The shipping container should be cooled to -78°C.

Storage
Conditions

1. The cells should be stored at -150 to -196°C. 2. The storage container should be cooled to -150 to -196°C.

Genotype: Sp2/0-Ag14

Sterility

1. The cells are tested for sterility by PCR. 2. The results are as follows:

Marker	Result
Amelogenin	X,X
M_18-3	17, 18, 19, 20
M_4-2	21
M_6-7	12,13
M_3-2	13, 14, 15
M_19-2	12,13
M_7-1	24.2, 25.2
M_1-1	16, 17, 19
M_8-1	13
M_2-1	15,16
M_15-3	21.3, 23.3
M_6-4	18,19
M_11-2	17
M_1-2	16,17
M_17-2	16
M_12-1	15,16
M_5-5	14,15
M_X-1	25,26
M_13-1	16.2, 17.2, 18.2
Human D4/D8	-

STR

Amelogenin: X,X
M_18-3: 17, 18, 19, 20
M_4-2: 21
M_6-7: 12,13
M_3-2: 13, 14, 15
M_19-2: 12,13
M_7-1: 24.2, 25.2
M_1-1: 16, 17, 19
M_8-1: 13
M_2-1: 15,16
M_15-3: 21.3, 23.3
M_6-4: 18,19
M_11-2: 17
M_1-2: 16,17
M_17-2: 16
M_12-1: 15,16
M_5-5: 14,15
M_X-1: 25,26
M_13-1: 16.2, 17.2, 18.2
Human D4/D8: -