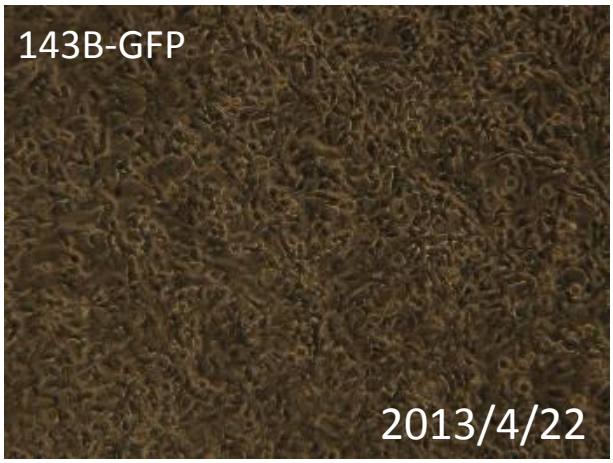
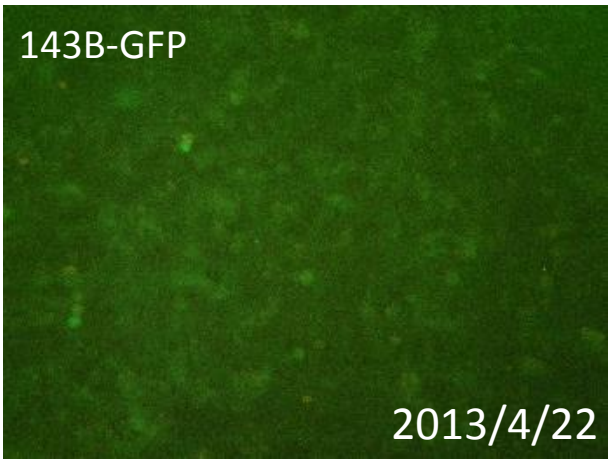
091-101 143B-GFP

要旨

NUGC4-GFP細胞は、ヒト骨肉腫由来143B細胞に対して、緑色蛍光タンパク質（EGFP）遺伝子を含むレトロウイルスベクターpFBによる遺伝子組換えを行って作製した細胞である。顕微鏡観察から、蛍光を発する細胞の割合は、88%であった。Short tandem repeats (STR)-PCR法による解析では、ATCC等の143Bやその派生株と同一と認証された。

Microscopic images





STR-profile

KBN0116

Summary (Cell No. : KBN0116_02)

It was confirmed that the cell (Cell No. : KBN0116_02, Cell Name: cell-046) was the same as the cell registered in RCB (RCB0701 143B/TK^(-)neo^(R)), the cell registered in ATCC (CRL-1545 KHOS-240S, CRL-8303 143B, CRL-8304 143B PML BK TK, CRL-1543 HOS), and the cell registered in JCRB (IFO50106 HOS), by the comparison with the database of JCRB Cell Bank.

Furthermore, it was confirmed that this cell was the same as that also of KBN0112_05 (Cell Name: cell-029), KBN0110_09 (Cell Name: cell-013), KBN0114_09 (Cell Name: cell-043), and KBN0116_06 (Cell Name: cell-050).

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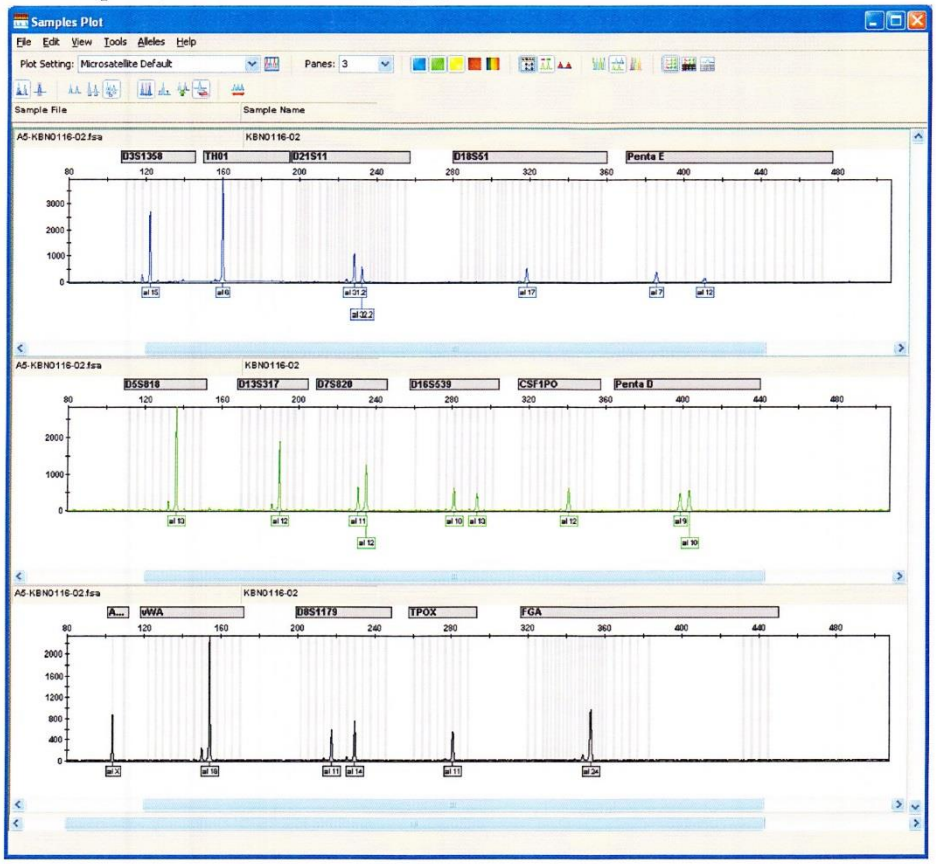
STR-profile

KBN0116

Peak report (Cell No. : KBN0116_02)



STR Profile (Cell No. : KBN0116_02)

D3S1358	TH01	D21S11	D18S51	Penta E	D5S818	D13S317	D7S820
15	6	31.2,32.2	17	7,12	13	12	11,12

D16S539	CSF1PO	Penta D	AM	vWA	D8S1179	TPOX	FGA
10,13	12	9,10	X	18	11,14	11	24

Comparison with database (Cell No : KBN0116_02)

Cell No.	Cell Name	Lot No.	EV	D5S818	D13S317	D7S820	D16S539	vWA	TH01	AM	TPOX	CSF1PO
KBN0116-02	cell-046	04302013	1.000	13	12	11,12	10,13	18	6	X	11	12
KBN0112-05	cell-029	04012013	1.000	13	12	11,12	10,13	18	6	X	11	12
RCB0701	143B/TK-(-)neo-(R)	--------	1.000	13	12	11,12	10,13	18	6	X	11	12
CRL-1545	KHOS-240S	--------	1.000	13	12	11,12	10,13	18	6	X	11	12
CRL-8303	143B	--------	1.000	13	12	11,12	10,13	18	6	X	11	12
CRL-8304	143B PML BK TK	--------	1.000	13	12	11,12	10,13	18	6	X	11	12
CRL-1543	HOS	--------	0.957	13	12	11,12	10,13	18	6	X	8,11	12
IFO50106	HOS	239	0.957	13	12	11,12	10,13	18	6	X	8,11	12
KBN0110-09	cell-013	03212013	0.957	13	12	11,12	10,13	18	6	X	8,11	12
KBN0114-09	cell-043	04122013	0.957	13	12,13	11,12	10,13	18	6	X	11	12
KBN0116-06	cell-050	04302013	0.957	13	12	11,12	10,13	18	6	X	8,11	12
KBN0116-02	cell-046	04302013	1.000	13	12	11,12	10,13	18	6	X	11	12