

**Cell Fusion**

**ISHIHARA SANGYO KAISHA, LTD.**

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No.	First Author	Reference	PubMed ID	Fused cell	Application
1	K. Hiraoka <i>et al.</i>	<i>Journal of Immunology</i> , 173, 4297-4307 (2004).	15383558	Dendritic cells and B16BL6 melanoma cells	Cancer immunology
2	M. Okada <i>et al.</i>	<i>Mutation Research</i> , 562(1-2), 11-17 (2004).	15279826	Nornal human fibroblasts(G0/G1) and HeLa(M phase)	Premature chromosome condensation (PCC)
3	R. Okayasu <i>et al.</i>	<i>Radiation Research</i> , 165(1), 59-67 (2006).	16392963	Nornal human fibroblasts(G0/G1) and HeLa(M phase)	Premature chromosome condensation (PCC)
4	S. Yamaguchi <i>et al.</i>	<i>Chromosome Science</i> , 9, 65-73 (2006).		Microcell and HT1080 Microcell and hiMSC(immortalized human mesencymal stem cell)	Microcell mediated chromosome transfer
5	N. Uekawa <i>et al.</i>	<i>Hybridoma (Larchmt)</i> , 26(6), 381-385 (2007).	18158782	Rat lymph node cells(immunized) and mouse myeloma cells(P3U1)	Preparation of monoclonal [Immunogen: recombinant TARSH-CH protein]
6	T. Nishioka <i>et al.</i>	<i>Immunol,Lett</i> , 121(2), 97-104 (2008).	18930767	Rat lymph node cells(immunized) and mouse myeloma cells(P3U1)	Preparation of monoclonal antibodies
7	A. Inoue <i>et al.</i>	<i>Human Reproduction</i> , 23, 1377-1384 (2008).	18367455	Mouse enucleated oocyte and nucleus	GV transplantation
8	D. Matsuyama <i>et al.</i>	<i>Biosystems</i> , 92(3), 226-232 (2008).	18423847	Rat cardiac myocute and Rat cardiac fibroblast	Analysis of cellular function
9	K. Riento <i>et al.</i>	<i>Journal of Cell Science</i> , 122, 912- 918 (2009).	19258392	HeLa	Analysis of cellular function
10	S. Yanai <i>et al.</i>	<i>Int. J. Oncol.</i> , 35(2), 249-255 (2009).	19578737	Dendritic cells and Meth A cells (BALB/c-derived fibrosarcoma)	Cancer immunology
11	M. Tachibana <i>et al.</i>	<i>Nature</i> , 461(7262), 367-372 (2009).	19710649	Macaca mulatta enucleated oocyte and nucleus	Mitochondrial gene replacement
12	D. M. Mattiske <i>et al.</i>	<i>Reproduction</i> , 137(4), 625-632 (2009).	19129368	Mouse enucleated oocyte and nucleus	Nuclear transfer
13	Y. Kato <i>et al.</i>	<i>Biochem. Biophys. Res. Commun.</i> , 390(3), 547-551 (2009).	19818334	Mouse spleen cells(immunized) and mouse myeloma cells(P3U1)	Preparation of monoclonal antibodies [Immunogen: synthetic human IDH1R132H peptide]
14	R. Kaushik <i>et al.</i>	<i>Cell Host Microbe.</i> , 6, 68-80 (2009).	19616766	HeLa and Human primary monocyte	Analysis of cellular function
15	Y. Kato <i>et al.</i>	<i>Biochem. Biophys. Res. Commun.</i> , 391(1), 750-755 (2010).	19944071	Mouse spleen cells(immunized) and mouse myeloma cells(P3U1)	Preparation of monoclonal antibodies [Immunogen: lacto-series gangliosides 30-isoLM1and 30,60-isoLD1]
16	A. Kunisato <i>et al.</i>	<i>Stem Cells Dev.</i> , 19(2), 229-238 (2010).	19558219	Mouse adult bone marrow mononuclear cells and Mouse ES cells Mouse embryonic fibroblasts (from Oct4-GFP transgenic mice) and Mouse ES cells	Reprogramming of somatic cells
17	XS.Yue <i>et al.</i>	<i>Biochem. Biophys. Res. Commun.</i> , 394(4), 1053-1057 (2010).	20338150	Mouse embryonic fibroblasts and Mouse ES cells	Reprogramming of somatic cells
18	L. Craven <i>et al.</i>	<i>Nature</i> , 465, 82-85 (2010).	20393463	Human zygotes	Pronuclear transfer
19	M.Tachibana <i>et al.</i>	<i>Nature Protocols</i> , 5(6), 1138-1147 (2010).	20539289	Macaca mulatta enucleated oocyte and nucleus	Mitochondrial gene replacement
20	H. Nakamura <i>et al.</i>	<i>Hybridoma (Larchmt)</i> , 29(1), 7-11 (2010).	20199145	Rat lymphoid cells(immunized) and Mouse myeloma cells P3U1	Preparation of monoclonal antibodies
21	K. Hasegawa <i>et al.</i>	<i>Stem Cells</i> . 28(8), 1338-1348 (2010).	20572011	Human Es cells and Human fibroblasts	Reprogramming of somatic cells
22	J. Nakata <i>et al.</i>	<i>Vet. Immunol. Immunopathol.</i> , 138(3), 231-234 (2010).	20739069	Mouse lymphoid cells(immunized) and mouse myeloma cells(P3X63Ag8.653)	Preparation of monoclonal antibodies [Immunogen:recombinant feline cystatin C]
23	C. Liua <i>et al.</i>	<i>Radiat. Res.</i> , 174(5), 566-573 (2010).	20954858	Human fibroblasts	Premature chromosome condensation (PCC)
24	R. Metzle <i>et al.</i>	<i>FASEB J.</i> , 25(3), 830-839 (2011).	21059751	Human adipose tissue-derived stem cells and Neonatal rat cardiomyocytes	Analysis of cellular function
25	M K Kaneko <i>et al.</i>	<i>Biochem. Biophys. Res. Commun.</i> , 406(4), 608-613 (2011).	21352804	Mouse spleen cells(immunized) and mouse myeloma cells(P3U1)	Preparation of monoclonal antibodies
26	A. Inoue <i>et al.</i>	<i>Biol. Reprod.</i> , 85, 70-77 (2011).	21415138	Mouse enucleated oocyte and nucleolus-like body (NLB)	GV transplantation

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27	N. Ogonuki <i>et al.</i>	<i>J. Reprod. Dev.</i> , 57, 534-538 (2011).	21441713	Mouse oocyte and pronucleus	Pronuclear transfer
28	YH Song <i>et al.</i>	<i>Cell Cycle</i> , 10(14), 2281-2286 (2011).	21654195	Human adipose tissue-derived stem cells and rat cardiomyocytes	Analysis of cellular function

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