RECOMMENDED READING

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Accell™ siRNA References

Accell™ siRNA reagents are specially modified for use in difficult-to-transfect cells without the need for transfection reagents, virus, or electroporation. The following selected peer-reviewed publications have cited their successful use in a variety of experimental systems.

*For more references that use our siRNA for in vivo applications, please see our in vivo siRNA reading list.

Established cell lines

ARPE-19 (human retinal epithelial cells) – 35
C1 tumor derived cells – 47
CD4+ primary human T cells – 4
CD14+ primary monocytes – 20
DG-75 human B lymphocytes – 71
GH3 (rat somatolactotrophs pituitary cell line) – 56
HBECs (human bronchial epithelial cells) – 84
HCT-116 (colorectal carcinoma) – 25
HUVEC – 26
JJN3(plasma cell leukemia) – 40
Human lymphoblastoid cell lines – 82
LUHMES (Lund human mesencephalic cells) – 62
MEC1 (human chronic B cell leukemia) – 13
MN-1 – 32
MS1 (mouse pancreatic islet endothelia cells) – 21
NOD CD4+CD25–splenic cells – 37
NOXA – 40
OVCA 420 (ovarian carcinoma) – 52
PGA-1 (lymphocytic leukemia B cell line) – 61
RAW264.7 macrophages – 49
SHSY5Y (neuroblastoma) – 11, 23, 60, 85
SKBR3 (ER-/PR-/HER2+ breast cancer cell line) – 65
SNB19 glioma cells – 12
T98 glioma cells – 12
THP-1 monocytes – 10, 24, 42, 46, 57, 83
U266 (peripheral blood B lymphocyte myeloma) – 40
U937 – 46

Primary cells and in vivo

β-islet cells – 14
Bone marrow cells – 9, 16
Bronchial smooth muscle cells (BSMC) – 27, 28
Cardiomyocytes – 5
Cerebellar granule neurons (CGN) – 63
Colon stem/progenitor cells – 69
Corneal endothelial cells (adult human CECs), and ex vivo human corneal endothelium – 68
Cortical neurons – 1, 8, 41, 53, 66
Endometrial cells – 15
Endothelial cells – 7, 33
Extravillous trophoblasts (EVT) – 29
Fibroblasts (primary) – 66
Hepatocytes – 36, 38, 45
Human fetal liver cells – 87
Immortalized B cells – 59
Keratinocytes – 51
Lung epithelial cells – 73
Lymphocytes – 43
Macrophages – 3, 34, 48, 88
Mantle cell lymphoma cells (MCL) – 44
Mast cells – 92
Monocytes – 18
Mouse embryonic fibroblasts (MEF) – 22
Naïve fetal T cells – 75
Natural killer (NK) cell line – 55
Neonatal mouse ovary – 74
Neurons (primary rat) – 19
Neurons derived from iPS cells – 67
Oligodendrocyte precursors – 54
Peripheral blood mononuclear cells (PBMC) – 6, 31, 78
Primary human T-cells – 64, 86
Primary mouse T-cells – 70
Regulatory T cells – 76
Stem cell–derived peripheral neurons – 72

Vascular smooth muscle cells (VSMC) – 2, 58
In vivo skin delivery – 17
In vivo rat periodontal model – 30
In vivo mouse intradermal injection – 39
In vivo mouse model – 50, 77
In vivo mouse brain – 62
In vivo rat brain – 79, 80, 81, 89
In vivo mouse, injection into tibialis anterior (TA) muscle – 90

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