

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 somatotrophic pituitary cell line) – 56
 HBECs (human bronchial epithelial cells) – 84
 HCT-116 (colorectal carcinoma) – 25
 HUVEC – 26
 JLN3(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 endothelial 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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