

Resource Summary Report

Generated by [NIF](#) on Sep 16, 2026

Detroit 551

RRID:CVCL_2434

Type: Cell Line

Proper Citation

KCLB Cat# 10110, RRID:CVCL_2434

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_2434

Proper Citation: KCLB Cat# 10110, RRID:CVCL_2434

Description: Cell line Detroit 551 is a Finite cell line with a species of origin Homo sapiens (Human)

Sex: Female

Defining Citation: [PMID:26004630](#)

Comments: Senescence: Senescences at ~25 PDL (ATCC=CCL-110)., Population: Caucasian.

Category: Finite cell line

Organism: Homo sapiens (Human)

Name: Detroit 551

Synonyms: Detroit-551, Detroit551, D551

Cross References: BTO:BTO_0005826, CLO:CLO_0002751, CLDB:cl1033, CLDB:cl1034, ATCC:CCL-110, BCRC:60118, BCRJ:0302, BioSample:SAMN03472693, BioSample:SAMN04504657, ChEMBL-Cells:ChEMBL3307358, ChEMBL-Targets:ChEMBL614284, ECACC:86082802, GEO:GSM1658371, GEO:GSM1658373, GEO:GSM1658375, GEO:GSM1658397, GEO:GSM2061359, IZSLER:BS CL 34, KCLB:10110, PubChem_Cell_line:CVCL_2434, Wikidata:Q54830996

ID: CVCL_2434

Vendor: KCLB

Catalog Number: 10110

Record Creation Time: 20220427T215817+0000

Record Last Update: 20260913T003009+0000

Ratings and Alerts

No rating or validation information has been found for Detroit 551.

Warning: Discontinued: BCRJ; 0302

Senescence: Senescens at ~25 PDL (ATCC=CCL-110)., Population: Caucasian.

Data and Source Information

Source: [Cellosaurus](#)

Usage and Citation Metrics

We found 2 mentions in open access literature.

Listed below are recent publications. The full list is available at [NIF](#) .

Chen A, et al. (2024) Hallmark Molecular and Pathological Features of POLG Disease are Recapitulated in Cerebral Organoids. Advanced science (Weinheim, Baden-Wurttemberg, Germany), 11(18), e2307136.

Liang KX, et al. (2020) Disease-specific phenotypes in iPSC-derived neural stem cells with POLG mutations. EMBO molecular medicine, 12(10), e12146.