

Resource Summary Report

Generated by [dkNET](#) on Sep 3, 2026

X4-MaRBLE

RRID:CVCL_E8AV

Type: Cell Line

Proper Citation

RRID:CVCL_E8AV

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_E8AV

Proper Citation: RRID:CVCL_E8AV

Description: Cell line X4-MaRBLE is a Cancer cell line with a species of origin Homo sapiens (Human)

Sex: Male

Disease: Childhood T acute lymphoblastic leukemia

Defining Citation: [PMID:17182760](#)

Comments: Virology: Susceptible to infection by CXCR4-tropic HIV-1 strains (example HXB2) (PubMed=17182760)., Virology: Infected with Moloney murine leukemia virus (MoMuLV) from MiCl1 (S+L-) (Cellosaurus=CVCL_3405) cells (from parent cell line HPB-Ma)., Characteristics: Transfected with two constructs. 1) 53LTRN-lucneoR#1 which contains the HIV-1 strain HXB2 LTR driving the expression of a Luc-DsRed fusion protein. This allows HIV-1 replication to be quantitatively evaluated by using luciferase activity when the LTR is activated by Tat, and the DsRed gene allows HIV-1 infected cells to be identified by red fluorescence. 2) pRenillaPac where Renilla luciferase is under the control of a CMV promoter and is used to monitor cell numbers and viability (PubMed=17182760)., Characteristics: Reporter cell line to measure HIV-1 infectivity and thus evaluate susceptibility to anti-HIV-1 drugs (PubMed=17182760)., Population: Japanese.

Category: Cancer cell line

Organism: Homo sapiens (Human)

Name: X4-MaRBLE

Synonyms: HPB-Ma/LTR-FL/CMV-RL

ID: CVCL_E8AV

Hierarchy: cvcl_e8at

Record Creation Time: 20250423T102807+0000

Record Last Update: 20260830T002803+0000

Ratings and Alerts

No rating or validation information has been found for X4-MaRBLE.

No alerts have been found for X4-MaRBLE.

Data and Source Information

Source: [CelloSaurus](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.