

Resource Summary Report

Generated by [NIF](#) on Jul 29, 2026

A549 EML4-ALK

RRID:CVCL_JK07

Type: Cell Line

Proper Citation

RRID:CVCL_JK07

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_JK07

Proper Citation: RRID:CVCL_JK07

Description: Cell line A549 EML4-ALK is a Cancer cell line with a species of origin Homo sapiens (Human)

Sex: Male

Disease: Lung adenocarcinoma

Comments: Characteristics: More sensitive to the ALK inhibitor crizotinib when compared to the parental cell line. Can be a useful model to study tyrosine kinase signaling pathway and to screen ALK inhibitors., Characteristics: An EML4-ALK4 fusion was generated by CRISPR/Cas9., Population: Caucasian.

Category: Cancer cell line

Organism: Homo sapiens (Human)

Name: A549 EML4-ALK

Synonyms: EML4-ALK Fusion-A549 Isogenic Cell Line

Cross References: ATCC:CCL-185IG, cancercellines:CVCL_JK07, Wikidata:Q54606944

ID: CVCL_JK07

Hierarchy: cvcl_0023

Record Creation Time: 20220427T215107+0000

Record Last Update: 20260726T002031+0000

Ratings and Alerts

No rating or validation information has been found for A549 EML4-ALK.

No alerts have been found for A549 EML4-ALK.

Data and Source Information

Source: [Cellosaurus](#)

Usage and Citation Metrics

We found 1 mentions in open access literature.

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

Blaszczak W, et al. (2021) Immune modulation underpins the anti-cancer activity of HDAC inhibitors. Molecular oncology, 15(12), 3280.