

Product sheet

AMO-1 | 305525

Description

AMO-1 is a human $\gamma\delta$ T cell line. It is derived from a patient with Acute Myeloid Leukemia (AML) and is characterized by the expression of CD3, CD8, CD137, and CD137L. The cells are maintained in the presence of IL-2 and IL-15. AMO-1 cells are highly proliferative and express high levels of CD137L, which is a co-inhibitory receptor. The cells are also characterized by the expression of Notch3-p53, ICAM-1, and T cells. (: Bcl-2),

Organism

Tissue

Disease

Synonyms

AMo1, AMO1

Age

64

Gender

Ethnicity

Morphology

Growth properties

Citation

AMO-1 (Cytion 305525)

Biosafety level

1

NCBI_TaxID

9606

CellosaurusAccession

CVCL_1806

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Mutational profile : IGKV1-8-IGKJ1; : IGKV3-20-IGKJ2; : BCOR, p.Gln312del (c.932_934AGC[1]) (c.935_937delAGC), ; : K...
p.Ala146Thr (c.436G>A), ; : STAT3, p.Cys712Tyr (c.2135G>A), ; : TET2, p.Gln1699Ter (c.5095C>T),

Culture Medium RPMI 1640, w: 2.0mM , w: 2.0g/L NaHCO3(820700a)

Supplements 20% FBS

Subculturing 15ml PBS (T25 3~5ml, T75 5~10ml).

Seeding density 3-5×10⁵/ml

Fluid renewal 2~3

Freeze medium (FBS) + 10% DMSO , CM-1(Cytion 800100)

Thawing and Culturing Cells

1. .
2. -150°C , 3 .
3. 37°C 40~60 .
4. , 70% .
5. 8ml 15ml .
6. 300 x g 3 .
7. 10ml . T25 , T25
8. .

Incubation Atmosphere 37°C, 5% CO₂ .

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Shipping
Conditions

-78°C

Storage
Conditions

-150°C

-196°C

-80°C

Sterility

PCR