

Product sheet

T2 | 305228

General Information

Description	T2 is a T cell clone derived from T1, which is a T cell clone derived from a patient with melanoma. T2 is a T cell clone that is specific for the MHC class II peptide derived from the CTL antigen.
Organism	Human
Synonyms	T2 (174 x CEM.T2), T2(174 x CEM.T2), 174xCEM.T2, CEMx721.174.T2

Cell Characteristics

Morphology	Large granular lymphocyte
Growth properties	Adherent

Identification

Citation	T2 (ATCC CRL-2739) Cytion 305228
Biosafety level	2
NCBI_TaxID	9606
CellosaurusAccession	CVCL_2211

Media and Reagents

Culture

Culture Medium	RPMI 1640, w: 2.0 mM L-glutamine, w: 2.0 g/L NaHCO3 (ATCC 30270a) Cytion 820700a
Supplements	10% FBS (ATCC 30202) Cytion
Subculturing	Subculture into fresh medium containing 10% FBS. For long-term storage, cells can be cryopreserved in 10% DMSO + 90% FBS.
Freeze medium	10% DMSO + 90% FBS

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Thawing and Culturing Cells

1. **Thawing:** Thaw the vial containing the cells in a 37°C water bath. Transfer the cells to a pre-warmed T25 flask containing 10 ml of DMEM supplemented with 10% FBS.
2. **Seeding:** Seed the cells into a T25 flask containing 10 ml of DMEM supplemented with 10% FBS. Incubate at 37°C with 5% CO₂ until cells reach 70-80% confluency.
3. **Passaging:** Once cells reach 70-80% confluency, aspirate the medium and wash the cells with PBS. Add 1 ml of trypsin-EDTA solution and incubate at 37°C for 5 minutes.
4. **Neutralization:** Add 10 ml of DMEM supplemented with 10% FBS to neutralize the trypsin. Gently pipette the cells into a 15 ml centrifuge tube.
5. **Centrifugation:** Centrifuge the cells at 300 x g for 3 minutes. Remove the supernatant and resuspend the cell pellet in 10 ml of DMEM supplemented with 10% FBS.
6. **Seeding:** Seed the cells into a T25 flask containing 10 ml of DMEM supplemented with 10% FBS. Incubate at 37°C with 5% CO₂ until cells reach 70-80% confluency.
7. **Passaging:** Once cells reach 70-80% confluency, aspirate the medium and wash the cells with PBS. Add 1 ml of trypsin-EDTA solution and incubate at 37°C for 5 minutes.
8. **Neutralization:** Add 10 ml of DMEM supplemented with 10% FBS to neutralize the trypsin. Gently pipette the cells into a 15 ml centrifuge tube.

Incubation Atmosphere 37°C, 5% CO₂, humidified

Flask Coating No

Freezing Procedure Harvest cells at 70-80% confluency, wash with PBS, add 1 ml of trypsin-EDTA, incubate at 37°C for 5 minutes, neutralize with 10 ml of DMEM + 10% FBS, centrifuge at 300 x g for 3 minutes, resuspend in 1 ml of DMEM + 10% FBS + 10% DMSO + 10% FBS, freeze in a pre-cooled vial and store at -80°C.

Shipping Conditions Store at -80°C, ship on dry ice.

Storage Conditions Store at -150°C for 196 weeks.

HEK293T2 / HEK293T2 / HLA

Sterility The cells are free of mycoplasmas and PCR detectable viruses. The cells are free of mycoplasmas and PCR detectable viruses.