

Product sheet

T2 | 305228

General Information

<b>Description</b>	T2 is a T cell clone derived from T1, which is a T cell clone derived from a patient with melanoma. It is a CD8+ T cell clone that recognizes a peptide-MHC complex presented by HLA-B*07:02. It is a cytotoxic T lymphocyte (CTL) clone.
<b>Organism</b>	Human
<b>Synonyms</b>	T2 (174 x CEM.T2), T2(174 x CEM.T2), 174xCEM.T2, CEMx721.174.T2

Characteristics

<b>Morphology</b>	Large granular lymphocyte
<b>Growth properties</b>	Adherent

Identification

<b>Citation</b>	T2 (Cytion 305228)
<b>Biosafety level</b>	2
<b>NCBI_TaxID</b>	9606
<b>CellosaurusAccession</b>	CVCL_2211

Media and Reagents

Culture

<b>Culture Medium</b>	RPMI 1640, w: 2.0 mM L-glutamine, w: 2.0 g/L NaHCO3 (Cytion 820700a)
<b>Supplements</b>	10% FBS
<b>Subculturing</b>	Use 10% FBS medium for expansion. For differentiation, use medium without FBS.
<b>Freeze medium</b>	10% FBS + 10% DMSO

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**Thawing and Culturing Cells**

1. Thaw the vial quickly in a 37°C water bath. Transfer the cells to a pre-warmed T25 flask containing 10 ml of DMEM supplemented with 10% FBS. Incubate for 24 hours to allow cells to attach.
2. Once cells are attached, replace the medium with DMEM supplemented with 10% FBS. Incubate for 24 hours.
3. Remove the FBS and replace with DMEM supplemented with 10% FBS. Incubate for 24 hours.
4. Once cells are attached, replace the medium with DMEM supplemented with 10% FBS. Incubate for 24 hours.
5. Once cells are attached, replace the medium with DMEM supplemented with 10% FBS. Incubate for 24 hours.
6. Once cells are attached, replace the medium with DMEM supplemented with 10% FBS. Incubate for 24 hours.
7. Once cells are attached, replace the medium with DMEM supplemented with 10% FBS. Incubate for 24 hours.
8. Once cells are attached, replace the medium with DMEM supplemented with 10% FBS. Incubate for 24 hours.

**Incubation Atmosphere** 37°C, 5% CO<sub>2</sub>, humidified

**Flask Coating** None

**Freezing Procedure** Harvest cells into a 15 ml centrifuge tube. Pellet cells by centrifugation at 300 x g for 3 minutes. Wash cells with PBS. Resuspend cells in freezing medium. Aliquot into 1 ml vials. Store at -80°C.

**Shipping Conditions** Cells should be shipped on dry ice at -80°C.

**Storage Conditions** Cells should be stored at -150°C for up to 196 weeks.

**HEK293T2 / HEK293T2 / HLA**

**Sterility**

HEK293T2 cells are produced using a GMP-compliant process. The cells are tested for mycoplasma contamination using PCR. The cells are also tested for endotoxin levels. The cells are certified to be free of mycoplasma and endotoxin.