

Stable Cell Lines

| Cat. No. | Content | Amount |
|----------|--|---|
| XCL-PDL2 | xCELLerate™ PD-L2, CHO-K1 Stable Cell Line | 2-3 x 10 ⁶ cells in 1 ml 90% FBS, 10% DMSO |

| | |
|-----------------|-----------------|
| Shipping | Dry ice |
| Storage | Liquid nitrogen |

INTRODUCTION

The xCELLerate™ PD-L2 Stable Cell Line is a stably transfected CHO-K1 cell line which expresses human Programmed Cell Death Ligand 2 (PD-L2, also known as CD273 and B7-DC).

Sequence data: hPD-L2 (accession number NM_025239)

MIFLLMLSLLEQLHQIAALFTVTPKELYIIHGSNVTLECNFDTGSHVNLGAITASLQKVENDTSPHRERATLLEEQLPLGKASFHIPQVQVRDEGQYQCIIYGVAWDYKYLTCLKVKASYRKINTHILKVPETDEVELTCQATGYPLAEVSWPNVSPANTSHSRTPPEGLYQVTSVLRLLKPPPGRNFSCVFWNTHVRELTLASIDLQSQMEPRTHPTWLLHIFIPFCIIAFIFIATVIALRKQLCQKLYSSKDTTKRPVTTTKREVNSAI

MATERIALS AND METHODS

1. General Culture Conditions

Cells should be grown at 37°C with 5% CO₂ using Growth Medium (DMEM medium supplemented with 10% FBS, 1% Pen/Strep, plus 10 µg/ml Blasticidin). Users should also prepare Growth Medium without Blasticidin for early stage cell thawing and growth.

2. Thawing and Growing Cells

- 2.1 Quickly thaw frozen cell upon receipt (or from liquid nitrogen storage) in a 37°C water bath.
- 2.2 Transfer to a tube containing 10 ml of Growth Medium without Blasticidin.
- 2.3 Spin cells down at 1,000 rpm for 10 minutes.
- 2.4 Gently resuspend cells in pre-warmed Growth Medium without Blasticidin.
- 2.5 Transfer resuspended cells to a T25 flask and culture in a 37°C CO₂ incubator.
- 2.6 Leave the T25 flask in the incubator for 1-2 days without disturbing or changing the medium, and until cells completely recover viability and become adherent.
- 2.7 Once cells are over 90% confluent, harvest by using Detachin™ Cell Detachment Solution (Cat# T100100), and centrifuge to collect cells.
- 2.8 Replate cells and passage as needed; at first passage and after, switch to Growth Medium containing Blasticidin.

NOTE: cells should be split before reaching complete confluence.

3. Cell Passaging

- 3.1 Detach cells using Detachin™ Cell Detachment Solution (Cat #: T100100).
- 3.2 Add 10 ml Growth Medium to a sterile 50 ml centrifuge tube.
- 3.3 Pellet cells by centrifuging at 1,000 rpm for 10 min.
- 3.4 Resuspend cells in Growth Medium to achieve 1:10 or 1:20 dilution ratio, and plate as needed.

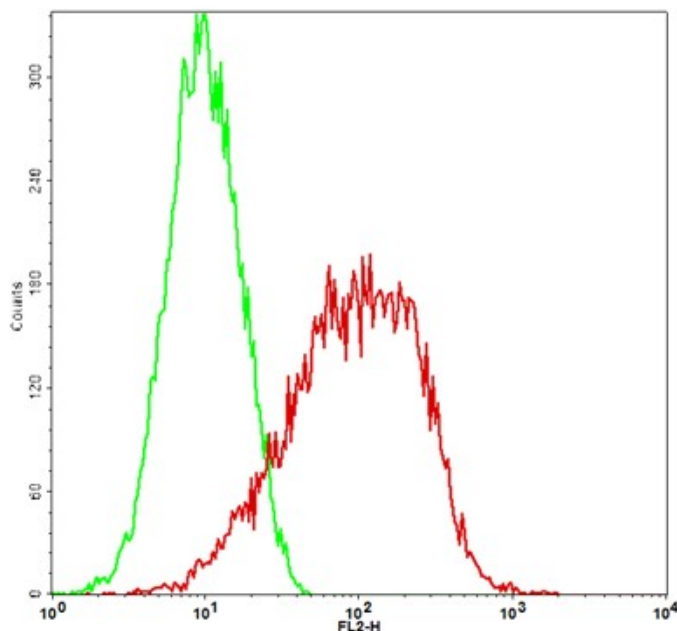


Figure 1: Detection of human PD-L2 in the xCELLerate™ PD-L2 stable cell line by Flow Cytometry [Cell surface staining]. CHO-K1 cells (Green); CHO-K1/PD-L2 cells (Red).

| RELATED PRODUCTS | Catalog # |
|---|--------------|
| eLUCidate™ HEK 293, TLR9/NF-κB Reporter Cell Line | EL-TLR9293 |
| eLUCidate™ RAW 264.7, IL-8 Reporter Cell Line | EL-IL8RAW |
| eLUCidate™ HEK 293, AP-1 Reporter Cell Line | EL-AP1293 |
| eLUCidate™ HEK 293, MIP-2 Reporter Cell Line | EL-MIP2293 |
| eLUCidate™ RAW 264.7, MIP-2 Reporter Cell Line | EL-MIP2RAW |
| eLUCidate™ HEK 293, TNF-α Reporter Cell Line | EL-TNFA293 |
| eLUCidate™ RAW 264.7, TNF-α Reporter Cell Line | EL-TNFARAW |
| eLUCidate™ HEK 293, TNF-β Reporter Cell Line | EL-TNFB293 |
| eLUCidate™ RAW 264.7, TNF-β Reporter Cell Line | EL-TNFBRAW |
| eLUCidate™ HEK 293, GATA3 Reporter Cell Line | EL-GATA3293 |
| eLUCidate™ HEK 293, NFAT Reporter Cell Line | EL-NFAT293 |
| eLUCidate™ RAW 264.7, NFAT Reporter Cell Line | EL-NFATRAW |
| eLUCidate™ HeLa, STAT1 Reporter Cell Line | EL-STAT1HELA |
| eLUCidate™ RAW 264.7, STAT1 Reporter Cell Line | EL-STAT1RAW |
| eLUCidate™ HEK 293, STAT3 Reporter Cell Line | EL-STAT3293 |
| eLUCidate™ RAW 264.7, INOS Reporter Cell Line | EL-INOSRAW |
| eLUCidate™ NIH-3T3, IL-6 Reporter Cell Line | EL-IL63T3 |
| eLUCidate™ MCF7, Nrf2 Reporter Cell Line | EL-NRF2MCF7 |
| eLUCidate™ HeLa, HRE Reporter Cell Line | EL-HREHELA |
| eLUCidate™ HEK 293, TCF/LEF Reporter Cell Line | EL-LEF293T |
| eLUCidate™ HEK 293T, RIG-I Reporter Cell Line | EL-RIGI293T |
| eLUCidate™ HEK 293T, MDA5 Reporter Cell Line | EL-MDA5293T |
| eLUCidate™ HEK 293, TLR3/IFNβ Reporter Cell Line | EL-IFNB293 |
| eLUCidate™ HEK 293, TLR3/ISRE Reporter Cell Line | EL-ISRE293 |
| eLUCidate™ HeLa, TLR4/IL-8 Reporter Cell Line | EL-IL8HELA |
| eLUCidate™ RAW 264.7, NF-κB Reporter Cell Line | EL-NFKBRAW |
| eLUCidate™ HEK 293, NF-κB Reporter Cell Line | EL-NFKB293 |
| eLUCidate™ HeLa, p53 Reporter Cell Line | EL-P53HELA |
| eLUCidate™ HEK 293, TLR2/NF-κB Reporter Cell Line | EL-TLR2293 |

| RELATED PRODUCTS | Catalog # |
|---|--------------|
| eLUCidate™ HEK 293, TLR3/NF-κB Reporter Cell Line | EL-TLR3293 |
| eLUCidate™ HEK 293, TLR7/NF-κB Reporter Cell Line | EL-TLR7293 |
| eLUCidate™ HEK 293, TLR8/NF-κB Reporter Cell Line | EL-TLR8293 |
| eLUCidate™ HEK 293, SRE Reporter Cell Line | EL-SRE293 |
| eLUCidate™ HEK 293, SRF-RE Reporter Cell Line | EL-SRFRE293 |
| eLUCidate™ HEK 293, CRE Reporter Cell Line | EL-CRE293 |
| eLUCidate™ Ba/F3, STAT5 Reporter Cell Line | EL-STAT5BAF3 |
| eLUCidate™ HEK 293, SBE Reporter Cell Line | EL-SBE293 |
| eLUCidate™ HEK 293, MRE Reporter Cell Line | EL-MRE293 |
| eLUCidate™ HeLa, ATF6 Reporter Cell Line | EL-ATF6HELA |
| eLUCidate™ HEK 293, TLR5/NF-κB Reporter Cell Line | EL-TLR5293 |
| eLUCidate™ HEK 293, STAT4 Reporter Cell Line | EL-STAT4293 |
| eLUCidate™ RAW 264.7, ISRE Reporter Cell Line | EL-ISRERAW |
| eLUCidate™ HEK 293, ISRE Reporter Cell Line | EL-ISRE293 |
| eLUCidate™ Jurkat, NF-κB Reporter Cell Line | EL-NFKBJUR |
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| xCELLerate™ PD-1 Stable Cell Line | XCL-PD1 |
| xCELLerate™ PD-L1 Stable Cell Line | XCL-PDL1 |
| xCELLerate™ ICOS Stable Cell Line | XCL-ICOS |
| xCELLerate™ ICOSL Stable Cell Line | XCL-ICOSL |
| xCELLerate™ CD80 Stable Cell Line | XCL-CD80 |
| xCELLerate™ CTLA4 Stable Cell Line | XCL-CTLA4 |
| xCELLerate™ hB7-H4 Stable Cell Line | XCL-HB7H4 |
| xCELLerate™ mB7-H4 Stable Cell Line | XCL-MB7H4 |
| xCELLerate™ Langerin Stable Cell Line | XCL-LNGRN |
| xCELLerate™ Cas9 Stable Cell Line | XCL-CAS9 |
| xCELLerate™ Nkp30 Stable Cell Line | XCL-NKP30 |
| xCELLerate™ Nkp46 Stable Cell Line | XCL-NKP46 |

LIMITED LICENSE: The purchase price paid for the xCELLerate™ Stable Cell Lines (hereto “xCELLerate”) grants end users a non-transferable, non-exclusive license to use the cells for **internal research use only** as described in this manual; in particular, research use only excludes and without limitation, resale, repackaging, or use for the making or selling of any commercial product or service without the written approval of Genlantis -- separate licenses are available for resale or other commercial applications. xCELLerate is not to be used for human research, diagnostic applications, or included/used in any drug intended for human use. Care and attention should be exercised in handling eLUCidate by following appropriate research laboratory practices and kit instructions, including the proper use of protective lab wear during use. Purchasers may refuse this license by returning the enclosed materials unused. By keeping or using xCELLerate, you agree to be bound by the terms of this license as governed by the laws of the State of California.