

HEK293 EBNA | 300264

HEK293 EBNA

**Description** HEK293 EBNA is a HEK293 cell line that is stably transfected with EBNA1, EBNA2, EBNA3, EBNA3L1, and EBNA-LP. This cell line is used for the production of recombinant EBV antigens and for the study of EBV pathogenesis.

**Organism** HEK293

**Tissue** HEK293

**Synonyms** HEK293-EBNA, 293 c18, 293c18, HEK 293 c18, HEK-293 c18, HEK293-EBNA1, HEK-293-EBNA, HEK 293-EBNA, HEK 293 EBNA, HEK293EBNA, 293 EBNA, 293-EBNA1, 293-EBNA, 293/EBNA, 293EBNA, EBNA-293, EBNA293, HEK293E, HEK/EBNA, HEK-EBNA, HEK.EBNA, 293/EBNA-1, 298E

HEK293 EBNA

**Age** HEK293

**Gender** HEK293

**Morphology** HEK293

**Growth properties** HEK293

HEK293 EBNA

**Citation** HEK293 EBNA (HEK293 EBNA) Cytion 300264

**Biosafety level** 2

**NCBI\_TaxID** 9606

**CellosaurusAccession** CVCL\_6974

**GMO Status** GMO-S1: HEK293 EBNA is a genetically modified organism (GMO) because it contains a recombinant EBV genome (EBNA) derived from a virus.

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**Antigen expression** EBNA1

**Viruses** Adenovirus 5 (Ad5), EBV (EBNA1)

**HEK293**

**Culture Medium** DMEM, w: 4.5 g/L D-glucose, w: 4 mM L-glutamine, w: 3.7 g/L NaHCO<sub>3</sub>, w: 1.0 mM sodium pyruvate (Cytion 820300a)

**Supplements** 10% FBS

**Dissociation Reagent** Trypsin

**Subculturing** Seed cells into 25 cm<sup>2</sup> flasks in DMEM + 10% FBS. When cells reach 70-80% confluency, trypsinize and seed into 96-well plates (3 x 10<sup>4</sup> cells/well) or 25 cm<sup>2</sup> flasks (1 x 10<sup>7</sup> cells/flask).

**Freeze medium** DMEM + 10% FBS + 10% DMSO

**Thawing and Culturing Cells**

1. Thaw cells rapidly in a 37°C water bath.
2. Centrifuge cells at 300 x g for 3 minutes.
3. Wash cells with PBS.
4. Resuspend cells in DMEM + 10% FBS.
5. Seed cells into 96-well plates (3 x 10<sup>4</sup> cells/well) or 25 cm<sup>2</sup> flasks (1 x 10<sup>7</sup> cells/flask).
6. Incubate cells in a 37°C incubator with 5% CO<sub>2</sub>.
7. Monitor cell growth and confluency.
8. Harvest cells when they reach 70-80% confluency.

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

