

## BRL-3A | 500129

### General information

<b>Description</b>	BRL-3A is a murine B cell hybridoma cell line that produces monoclonal antibodies against the B cell surface marker CD19. It was established in 1976 by fusion of a murine B cell line with a myeloma cell line. The cell line is maintained in culture and produces monoclonal antibodies that are used for various applications, including flow cytometry, immunofluorescence, and immunoprecipitation.
<b>Organism</b>	Murine
<b>Tissue</b>	B cell
<b>Synonyms</b>	BRL3A, BRL 3A, murine B cell hybridoma BRL-3A

### Characteristics

<b>Growth properties</b>	Adherent
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### Identification

<b>Citation</b>	BRL-3A (murine B cell hybridoma) Cytion 500129
<b>Biosafety level</b>	1
<b>NCBI_TaxID</b>	10116
<b>CellosaurusAccession</b>	CVCL_0606

### Applications

<b>Products</b>	Antibodies (MSA).
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### Media

<b>Culture Medium</b>	Ham's F12, w: 1.0 mM $\beta$ -mercaptoethanol, w: 1.0 mM $\beta$ -mercaptoethanol, w: 1.1 g/L NaHCO <sub>3</sub> (Cytion 820600a)
<b>Supplements</b>	10% FBS

**HEK293T BRL-3A | 500129**

**Dissociation Reagent**      **Trypsin**

**Subculturing**      **HEK293T cells** are cultured in DMEM supplemented with 10% FBS. For subculturing, cells are trypsinized and seeded into fresh medium. Cells are typically passaged every 3-5 days.

**Seeding density**      **1 x 10<sup>6</sup>** cells per flask

**Fluid renewal**      2-3 times per week

**Post-Thaw Recovery**      **4-6** days

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

- Thawing and Culturing Cells**
1. Thaw the vial in a 37°C water bath.
  2. Centrifuge at 300 x g for 3 minutes.
  3. Resuspend the pellet in 10 ml of DMEM + 10% FBS.
  4. Seed cells into a flask containing 70% medium.
  5. Incubate at 37°C for 15-18 hours.
  6. Refresh medium after 3 days.
  7. Harvest cells after 10-12 days.
  8. Store cells in DMEM + 10% FBS + 10% DMSO.

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

**Flask Coating**      **None**

