

Product sheet

XXXX RBL-1 | 500389

XXXXX XXXXX

Description	XX XXXX XX XX XXXXXXX XXXXXXX XXXXX XXXX XXXXXXX XXXXX XX XXXXXXX XXXXXXX, XXXX XXXXX XXXXXXX XXXXXXX XXXXXXX X-Ig
Organism	XXXXX
Tissue	XX XXXXX
Disease	XXXXXX
Synonyms	RBL 1, RBL-I, RBL, XXXXXXX XXXXXXX XX XXXXX-1

XXXXXXXXXXXX

Breed/Subspecies	XXXXXX
Morphology	XXXX XXXXX
Cell type	XXXXXXXXXX
Growth properties	XXX

XXXXXXXXX XXXXXXXXXXXXXXX

Citation	RBL-1 (XXXX XXXXXXX Cytion 500389)
Biosafety level	1
NCBI_TaxID	10116
CellosaurusAccession	CVCL_0496

XXXXXXXXX XXXX- XXXXXXXXXXXXXXX

Receptors expressed	Fc XX IgE
Products	XXXXXXXXX

HEK293T RBL-1 | 500389

Ploidy status Hexaploid

Characteristics

Culture Medium RPMI 1640, w: 2.0 mM $\text{CaCl}_2 \cdot \text{H}_2\text{O}$, w: 2.0 g/L NaHCO_3 (Gibco, Cytion 820700a)

Supplements 10% FBS

Dissociation Reagent Trypsin

Subculturing Cells are typically passaged every 15-20 days. Cells are detached using trypsin and seeded into new flasks in PBS (pH 7.2-7.4) (Gibco, Cytion 820700a).

Split ratio 1:2 or 1:4

Seeding density 2×10^4 to 4×10^5 cells/cm²

Fluid renewal 2-3 times per week

Post-Thaw Recovery Cells are typically recovered within 24-48 hours.

Freeze medium Cells are typically frozen in a mixture of 90% FBS + 10% DMSO (Gibco, Cytion 820700a) and stored at -80°C.

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**Thawing and
Culturing Cells**

1. **Thawing:** Thaw the cells quickly in a water bath at 37°C. Transfer the cells to a pre-warmed medium.
2. **Centrifugation:** Centrifuge the cells at 300 x g for 5 minutes at 4°C. Remove the supernatant and resuspend the cells in pre-warmed medium.
3. **Seeding:** Seed the cells into a 25 cm² flask containing 10 ml of pre-warmed medium. Incubate at 37°C with 5% CO₂.
4. **Medium Change:** After 24 hours, replace the medium with fresh pre-warmed medium.
5. **Passaging:** When the cells reach 80-90% confluence, passage them into a new flask.
6. **Freezing:** For long-term storage, freeze the cells in freezing medium and store at -80°C.
7. **Thawing:** Thaw the cells quickly in a water bath at 37°C. Transfer the cells to a pre-warmed medium.
8. **Centrifugation:** Centrifuge the cells at 300 x g for 5 minutes at 4°C. Remove the supernatant and resuspend the cells in pre-warmed medium.

**Incubation
Atmosphere**

37°C, 5% CO₂, humidified

Flask Coating

Not required

**Freezing
Procedure**

For long-term storage, freeze the cells in freezing medium and store at -80°C.

**Shipping
Conditions**

For shipping, freeze the cells in freezing medium and store at -80°C.

**Storage
Conditions**

For long-term storage, freeze the cells in freezing medium and store at -150 °C for 196 hours.

Quality Control

Sterility

The cells are tested for sterility using PCR and other methods. The results are provided in the Certificate of Analysis (COA).

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XXXXXXXXXX STR

Amelogenin: x,x

Rat_D1Wox31: 100, 104, 108

Rat_D2Wox37: 144

Rat_D19Wox11: 228,232

Rat_D10Wox8: 266

Rat_D4Wox7: 145

Rat_D2Wox27: 207,233

Rat_D5Rat33: 124, 128, 130

Rat_D10Wox11: 165,171

Rat_D1Wox23: 210,226

Rat_D12Wox1: 402

Rat_D6Wox2: 128

Rat_D8Wox7: 182

Rat_D6Cebr1: 235,241

SRY: x,Y