

ANA-1 | 305172

General information

Description	ANA-1 is a murine B cell hybridoma line derived from a BALB/c mouse immunized with a recombinant protein. It produces a monoclonal antibody (mAb) that recognizes the target protein. The mAb is of the IgG1 isotype and has a molecular weight of approximately 150 kDa. It is stable in the presence of 10% FBS and 1% P/S.
Organism	Murine
Tissue	B cell
Synonyms	ANA-1, ANA1

Characteristics

Breed/Subspecies	C57BL/6
Morphology	Hybridoma
Growth properties	Adherent

Identification and safety

Citation	ANA-1 (Cytion 305172)
Biosafety level	1
NCBI_TaxID	10090
CellSaurusAccession	CVCL_0142

Media and supplements

Media

Culture Medium	RPMI 1640, w: 2.0 mM NaHCO_3 (Cytion 820700a)
Supplements	10% FBS 1% P/S

HEK293T Ana-1 | 305172

**Dissociation
Reagent**

Trypsin

Subculturing

Remove medium and replace with 15 ml of fresh medium. Add 1 ml of PBS and incubate for 5-10 min at 37°C. Add 1 ml of trypsin and incubate for 5-10 min at 37°C. Add 1 ml of serum-containing medium and incubate for 5-10 min at 37°C. Centrifuge at 300 x g for 5 min. Resuspend in medium and seed into new flasks.

**Seeding
density**

2 x 10⁴ x 10⁵ cells/flask

Fluid renewal

2 x 3 times per week

**Freeze
medium**

Freeze medium: DMEM + 10% FBS + 10% DMSO. Freeze in 1 ml aliquots in cryovials. Store at -80°C.

**Thawing and
Culturing Cells**

1. Thaw cells rapidly in a water bath at 37°C. Transfer to a centrifuge tube and centrifuge at 300 x g for 5 min. Resuspend in medium and seed into a flask.
2. Incubate cells in a humidified CO₂ incubator at 37°C. Monitor cell growth and confluency.
3. Once cells are confluent, perform a split. Remove medium and replace with fresh medium.
4. Seed cells at a density of 2 x 10⁴ to 2 x 10⁵ cells per flask.
5. Incubate cells in a humidified CO₂ incubator at 37°C. Monitor cell growth and confluency.
6. Once cells are confluent, perform a split. Remove medium and replace with fresh medium.
7. Seed cells at a density of 2 x 10⁴ to 2 x 10⁵ cells per flask.
8. Incubate cells in a humidified CO₂ incubator at 37°C. Monitor cell growth and confluency.

**Incubation
Atmosphere**

37°C, 5% CO₂, humidified

**Shipping
Conditions**

Cells are shipped in a dry ice container at -80°C. Shipping medium: DMEM + 10% FBS + 10% DMSO.

**Storage
Conditions**

Cells can be stored in liquid nitrogen for up to 12 months. Storage medium: DMEM + 10% FBS + 10% DMSO.

HEK293T Ana-1 | 305172

Sterility

Das Produkt ist steril und kann für PCR-Analysen verwendet werden.

Das Produkt ist steril und kann für PCR-Analysen verwendet werden.