Mouse Anti-Human Choriocarcinoma Tumor Cell Antigen Hybridoma [TW74]

Anti-Choriocarcinoma Tumor Cell Antigen Hybridoma
Lot. No. (See product label)

CELL LINE INFORMATION

<table>
<thead>
<tr>
<th>Cat.No.</th>
<th>CSC-H0921</th>
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</thead>
<tbody>
<tr>
<td>Common Name</td>
<td>Human Choriocarcinoma Tumor Cell Antigen</td>
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<tr>
<td>Clone</td>
<td>TW74</td>
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<tr>
<td>Cell Line Description</td>
<td>Animals were immunized with the GCC-SV(c) human choriocarcinoma cell line. Spleen cells were fused with NS-1 myeloma cells. The SV63 antibody reacts with an epitope present on the placental, intestinal, and germ cell forms of human alkaline phosphatase, but not on the liver/kidney/bone form of the enzyme. The antibody precipitates a glycoprotein about 68000 daltons from extracts of choriocarcinoma cells.</td>
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</tbody>
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Introduction  Choriocarcinoma is a malignant, trophoblastic cancer, usually of the placenta. It is characterized by early hematogenous spread to the lungs. It belongs to the malignant end of the spectrum in gestational trophoblastic disease (GTD). It is also classified as a germ cell tumor and may arise in the testis or ovary.

Immunogen  GCC-SV(c) human choriocarcinoma cell line
Immunological Donor  Mouse Spleen
Myeloma  NS-1
Fusion Species  Mouse X Mouse Hybridoma
Growth Properties  Suspension
Morphology  Lymphoblast
Propagation  Complete growth medium: 2 mM L-glutamine, 10 mM HEPES, 1 mM sodium pyruvate, 4500 mg/L glucose, and 1500 mg/L sodium bicarbonate, fetal bovine serum to a final concentration of 10% HT, 1 mM non-essential amino acids
Temperature: 37.0 °C
Subculturing  Medium Renewal: Add fresh medium every 2 to 3 days (depending on cell density) Cultures can be maintained by the addition of fresh medium or replacement of medium. Alternatively, cultures can be established by centrifugation with subsequent resuspension in fresh medium. Maintain cell density between 1 X 10^5 and 1 X 10^6 viable cells/ml. Growth is enhanced by using a feeder layer of irradiated STO cells
Mycoplasma  Mycoplasma Status: Negative (MycoAlert Kit)
Cellular Products  Immunoglobulin: monoclonal antibody against human choriocarcinoma tumor cell antigen

ANTIBODY INFORMATION

Isotype  IgG1

SAFETY AND PACKAGING

Storage  Liquid nitrogen
Preservation  Culture medium 95%; DMSO, 5%
**Safety Considerations**

The following safety precautions should be observed.

1. Use pipette aids to prevent ingestion and keep aerosols down to a minimum.
2. No eating, drinking or smoking while handling the hybridoma.
3. Wash hands after handling the hybridoma and before leaving the lab.
4. Decontaminate work surface with disinfectant or 70% ethanol before and after working with hybridoma.
5. All waste should be considered hazardous.
6. Dispose of all liquid waste after each experiment and treat with bleach.

**Ship**

Dry ice