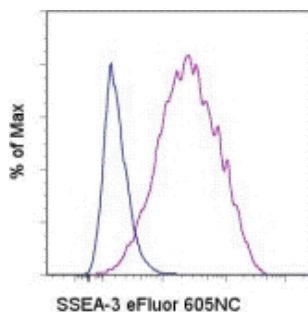


Anti-Human/Mouse SSEA-3 eFluor® 605NC

Catalog Number: 93-8833

Also Known As: stage-specific embryonic antigen-3

RUO: For Research Use Only. Not for use in diagnostic procedures.



Staining of the 2102Ep cell line with staining buffer (autofluorescence) (blue histogram) or Anti-Human/mouse SSEA-3 eFluor® 605NC (purple histogram). Total viable cells were used for analysis.

Product Information

Contents: Anti-Human/Mouse SSEA-3 eFluor® 605NC

REF **Catalog Number:** 93-8833

Clone: eBioMC-631 (MC-631)

Concentration: 5 µL

Host/Isotype: Rat IgM

Formulation: aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer

Temperature Limitation: Store at 2-8°C. Light sensitive material. This product is guaranteed for 6 months upon receipt when stored properly.

LOT **Batch Code:** Refer to Vial

Use By: Refer to Vial

Caution, contains Azide

Description

The eBioMC-631 (MC-631) monoclonal antibody reacts with the carbohydrate moiety galactosylgloboside on Stage-specific embryonic antigen-3 (SSEA-3). Expression is restricted to the surface of human teratocarcinoma stem cells (EC), human embryonic germ cells (EG) and human embryonic stem cells (ES) and down regulated following differentiation.

Applications Reported

This eBioMC-631 (MC-631) antibody has been reported for use in flow cytometric analysis.

Applications Tested

This eBioMC-631 (MC-631) antibody has been pre-titrated and tested by flow cytometric analysis of 2102Ep cell line. This can be used at 5 µL/per test. A test is defined as the amount of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10⁵ to 10⁸ cells/test.

Laser/Filter Recommendation: When using eFluor 605NC, we recommend excitation with the 405nm violet laser with an appropriate filter set, such as the 595LP dichroic mirror with the 605/40 bandpass filter. An acceptable alternative is the 610/20 bandpass filter. For instruments not equipped with a violet laser, the eFluor 605NC is also excited by the 488 nm blue laser and can be used as a PE-Texas Red alternative.

Fixation Recommendation: When fixing samples that have been stained with nanocrystal reagents, we recommend keeping the total volume at approximately 200 µL of IC Fixation Buffer (cat. 00-8222) and the exposure time 30-60 minutes to preserve the optimal fluorescent signal from the nanocrystal reagent.

For answers about fixation and other questions, please refer to Nanocrystal Frequently Asked Questions or contact eBioscience Technical Support.

References

Andrews PW, Goodfellow PN, Shevinsky LH, Bronson DL, Knowles BB. Cell-surface antigens of a clonal human embryonal carcinoma cell line: morphological and antigenic differentiation in culture. *Int J Cancer*. 1982 May 15;29(5):523-31.

Kannagi R, Cochran NA, Ishigami F, Hakomori S, Andrews PW, Knowles BB, Solter D. Stage-specific embryonic antigens (SSEA-3 and -4) are epitopes of a unique globo-series ganglioside isolated from human teratocarcinoma cells. *EMBO J*. 1983;2(12):2355-61.

Related Products

00-4222 Flow Cytometry Staining Buffer

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