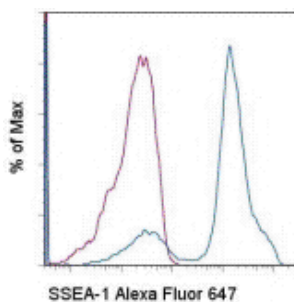


## Anti-Human/Mouse SSEA-1 Alexa Fluor® 647

Catalog Number: 51-8813

Also Known As: stage-specific embryonic antigen-1

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



Staining of F9 cell line with staining buffer (autofluorescence) (purple histogram) or 0.06 µg of Anti-Human/Mouse SSEA-1 Alexa Fluor® 647 (blue histogram). Total viable cells were used for analysis.

### Product Information

Contents: Anti-Human/Mouse SSEA-1 Alexa Fluor® 647


**REF** Catalog Number: 51-8813

Clone: eBioMC-480 (MC-480)


Concentration: 5 µL (0.06 µg)/test


Host/Isotype: Mouse IgM

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

 Temperature Limitation: Store at 2-8°C. Do not freeze. Light sensitive material.

**LOT** Batch Code: Refer to Vial

 Use By: Refer to Vial

 Caution, contains Azide

### Description

The eBioMC-480 (MC-480) antibody reacts with the stage-specific embryonic antigen-1 (SSEA-1), a carbohydrate epitope expressed upon the surface of early mouse embryos, murine embryonal carcinoma cells (EC), murine embryonic stem cells (ES) and murine & human germ cells (EG). No immunoreactivity is evident with undifferentiated human EC and ES cells. Differentiation of human EC results in an increase in SSEA-1 expression, while in the mouse expression is diminished. SSEA-1 is associated with cell adhesion, migration and differentiation.

### Applications Reported

This eBioMC-480 (MC-480) antibody has been reported for use in flow cytometric analysis.

### Applications Tested

This eBioMC-480 (MC-480) antibody has been pre-titrated and tested by flow cytometric analysis of F9 mouse cell line. This can be used at 5 µL (0.06 µg) per test. A test is defined as the amount (µg) 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 10<sup>5</sup> to 10<sup>8</sup> cells/test.

### References

Anjos-Afonso F, Bonnet D. Nonhematopoietic/endothelial SSEA-1+ cells define the most primitive progenitors in the adult murine bone marrow mesenchymal compartment. *Blood*. 2007 Feb 1;109(3):1298-306. (PubMed)

Fenderson BA, De Miguel MP, Pyle AD, Donovan PJ. Staining embryonic stem cells using monoclonal antibodies to stage-specific embryonic antigens. *Methods Mol Biol*. 2006;325:207-24. (PubMed)

Solter D, Knowles BB. Monoclonal antibody defining a stage-specific mouse embryonic antigen (SSEA-1). *Proc Natl Acad Sci U S A*. 1978 Nov;75(11):5565-9. (PubMed)

### Related Products

12-8833 Anti-Human/Mouse SSEA-3 PE (eBioMC-631 (MC-631))

12-8843 Anti-Human SSEA-4 PE (eBioMC-813-70 (MC-813-70))

### Legal

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