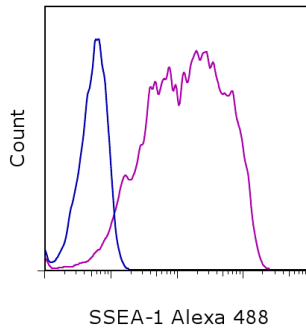


Anti-Human/Mouse SSEA-1 Alexa Fluor[®] 488

Catalog Number: 53-8813

Also known as: stage-specific embryonic antigen-1

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



Staining of F9 cells with Mouse IgM Isotype Control FITC (cat. 11-4752) (blue histogram) or 0.125 ug of Anti-Human/Mouse SSEA-1 Alexa Fluor[®] 488 (purple histogram). Total viable cells were used for analysis.

Product Information

Contents: Anti-Human/Mouse SSEA-1 Alexa Fluor[®] 488

REF **Catalog Number:** 53-8813

Clone: eBioMC-480 (MC-480)

Concentration: 5 uL (0.125 ug)/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.

Batch Code: Refer to vial

Use By: Refer to vial

Contains sodium 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 cells. This can be used at 5 uL (0.125 ug) per test. A test is defined as the amount (ug)/test 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.

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

00-4222 Flow Cytometry Staining Buffer

Not for further distribution without written consent.

Copyright © 2000-2012 eBioscience, Inc.

Tel: 888.999.1371 or 858.642.2058 • Fax: 858.642.2046 • www.ebioscience.com •
info@ebioscience.com

Anti-Human/Mouse SSEA-1 Alexa Fluor® 488

Catalog Number: 53-8813

Also known as: stage-specific embryonic antigen-1

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

11-4752 Mouse IgM Isotype Control FITC

Legal

Alexa Fluor® and Pacific Blue® are registered trademarks of and licensed under patents assigned to Molecular Probes, Inc. for research use only. This product is subject to an agreement between Molecular Probes, Inc. and eBioscience, and the manufacture, use, sale or import of this product may be subject to one or more U.S. patents, pending applications and corresponding foreign equivalents, owned by Molecular Probes, Inc. (a wholly owned subsidiary of Invitrogen Corp). The purchase of this product conveys to the buyer the non-transferable right to use the purchased amount of the product for life science research or as an ASR. The buyer cannot use this product for manufacturing or for any other screening (specifically including use in combination with microarrays or High Content Screening) or testing purpose, other than as an ASR. For information on purchasing a license to this product for purposes other than life science research or use as an ASR, contact Molecular Probes, Inc.

Not for further distribution without written consent.

Copyright © 2000-2012 eBioscience, Inc.

Tel: 888.999.1371 or 858.642.2058 • Fax: 858.642.2046 • www.ebioscience.com •
info@ebioscience.com