

SSEA1 Monoclonal Antibody (eBioMC-480 (MC-480)), eFluor™ 660, eBioscience™

Product Details	
Size	100 Tests
Species Reactivity	Human, Mouse
Published Species	Mouse, Human
Host/Isotype	Mouse / IgM
Recommended Isotype Control	Mouse IgM Isotype Control (11E10), eFluor™ 660, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	eBioMC-480 (MC-480)
Conjugate	eFluor™ 660
Excitation/Emission Max	651/668 nm
Form	Liquid
Concentration	5 µL/Test
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2, with 0.2% BSA
Contains	0.09% sodium azide
Storage conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_11219681

Applications	Tested Dilution	Publications
Immunohistochemistry (IHC)	-	5 Publications
Immunocytochemistry (ICC/IF)	-	5 Publications
Flow Cytometry (Flow)	5 µL (0.06 µg)/test	19 Publications

Product Specific Information

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 and 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. Expression of the carbohydrate moiety is also found on mature human granulocytes (on CD15) and some monocytes. 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 intracellular staining and flow cytometric analysis of the F9 cell line. This can be used at 5 µL (0.06 µg 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 10⁵ to 10⁸ cells/test.

eFluor® 660 is a replacement for Alexa Fluor® 647. eFluor® 660 emits at 659 nm and is excited with the red laser (633 nm). Please make sure that your instrument is capable of detecting this fluorochrome.

Excitation: 633-647 nm; Emission: 668 nm; Laser: Red Laser.

Filtration: 0.2 µm post-manufacturing filtered.

29 References

Immunohistochemistry (5)

<p>The Journal of experimental medicine</p> <p>A molecular roadmap of the AGM region reveals BMPER as a novel regulator of HSC maturation.</p> <p>"50-8813-42 was used in Immunohistochemistry to identify novel secreted regulators of haematopoietic stem cell maturation."</p> <p>Authors: McGarvey AC,Rybtsov S,Souilhol C,Tamagno S,Rice R,Hills D,Godwin D,Rice D,Tomlinson SR,Medvinsky A</p>	<p>Year 2017</p> <p>Species Mouse</p> <p>Dilution 1:1000</p>
<p>Scientific reports</p> <p>The transcriptomes of novel marmoset monkey embryonic stem cell lines reflect distinct genomic features.</p> <p>"Published figure using SSEA1 monoclonal antibody (Product # 50-8813-42) in Immunohistochemistry"</p> <p>Authors: Debowski K,Drummer C,Lentes J,Cors M,Dressel R,Lingner T,Salinas-Riester G,Fuchs S,Sasaki E,Behr R</p>	<p>Year 2016</p>

[View more IHC references on thermofisher.cn](#)

Immunocytochemistry (5)

<p>Cell research</p> <p>A vital sugar code for ricin toxicity.</p> <p>"Published figure using SSEA1 monoclonal antibody (Product # 50-8813-42) in Immunofluorescence"</p> <p>Authors: Taubenschmid J,Stadlmann J,Jost M,Klokk TI,Rillahan CD,Leibbrandt A,Mechtler K,Paulson JC,Jude J,Zuber J,Sandvig K,Elling U,Marquardt T,Thiel C,Koerner C,Penninger JM</p>	<p>Year 2017</p>
<p>Nature</p> <p>Comparative glycoproteomics of stem cells identifies new players in ricin toxicity.</p> <p>"Published figure using SSEA1 monoclonal antibody (Product # 50-8813-42) in Immunocytochemistry"</p> <p>Authors: Stadlmann J,Taubenschmid J,Wenzel D,Gattinger A,Dürnberger G,Dusberger F,Elling U,Mach L,Mechtler K, Penninger JM</p>	<p>Year 2017</p>

[View more ICC/IF references on thermofisher.cn](#)

More applications with references on thermofisher.cn

Flow (19)

For Research Use Only. Not for use in diagnostic procedures. Not for resale without express authorization. Products are warranted to operate or perform substantially in conformance with published Product specifications in effect at the time of sale, as set forth in the Production documentation, specifications and/or accompanying package inserts ("Documentation"). No claim of suitability for use in applications regulated by FDA is made. The warranty provided herein is valid only when used by properly trained individuals. Unless otherwise stated in the Documentation, this warranty is limited to one year from date of shipment when the Product is subjected to normal, proper and intended usage. This warranty does not extend to anyone other than the Buyer. Any model or sample furnished to Buyer is merely illustrative of the general type and quality of goods and does not represent that any Product will conform to such model or sample. NO OTHER WARRANTIES, EXPRESS OR IMPLIED, ARE GRANTED INCLUDING WITHOUT LIMITATION, IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, OR NON INFRINGEMENT. BUYER'S EXCLUSIVE REMEDY FOR NON-CONFORMING PRODUCTS DURING THE WARRANTY PERIOD IS LIMITED TO REPAIR, REPLACEMENT OF OR REFUND FOR THE NON-CONFORMING PRODUCT(S) AT SELLER'S SOLE OPTION. THERE IS NO OBLIGATION TO REPAIR, REPLACE OR REFUND FOR PRODUCTS AS THE RESULT OF (i) ACCIDENT, DISASTER OR EVENT OF FORCE MAJEURE, (ii) MISUSE, FAULT OR NEGLIGENCE OF OR BY BUYER, (iii) USE OF THE PRODUCTS IN A MANNER FOR WHICH THEY WERE NOT DESIGNED, OR (iv) IMPROPER STORAGE AND HANDLING OF THE PRODUCTS. Unless otherwise expressly stated on the Product or in the documentation accompanying the Product, the Product is intended for research only and is not to be used for any other purpose, including without limitation, unauthorized commercial uses, in vitro diagnostic uses, ex vivo or in vivo therapeutic uses, or any type of consumption by or application to human or animals.