

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	20 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.

30 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>

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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>

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Flow (20)

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