

OriGene Technologies Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850 UNITED STATES Phone: +1-858-888-7900 Fax: +1-858-888-7904 <u>US-info@acris-antibodies.com</u>

AM20368AF6-S OriGene EU

Acris Antibodies GmbH Schillerstr. 5 32052 Herford GERMANY Phone: +49-5221-34606-0

Fax: +49-5221-34606-11

info@acris-antibodies.com

Monoclonal Antibody to SSEA-4 - Alexa Fluor 647

Alternate names:	Embryonic Stem Cell Marker, SSEA4, Stage-Specific Embryonic Antigen-4
Catalog No.:	AM20368AF6-S
Quantity:	25 Tests
Background:	SSEA-4 specific antibody, clone MC-813, is reactive with Stage-Specific Embyronic Antigen-4, a carbohydrate antigen expressed on human teratocarcinoma cells (EC), embryonic stem cells (ES) and embryonic germ cells. It is also expressed on a subset of mesenchymal stem cells, erythrocytes, the erythroleukemic myeloid cell line K562, unfertilized oocytes and early cleaved stage oocytes
Host / Isotype:	Mouse / IgG3
Clone:	MC-813-70
Immunogen:	Human embryonal carcinoma cell line 2102Ep
Format:	State: Liquid purified Ig fraction Purification: Protein G Chromatography Buffer System: 0.25 ml PBS containing 0.05% BSA and 0.05% Sodium Azide Label: Alexa Fluor 647 – Alexa Fluor® 647
Applications:	Flow Cytometry (Cell Surface): 10 μl (0.5 μg)/10e6 cells. Immunofluorescence/Immunocytochemistry: Reported in literature. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	Recognizes SSEA-4. Cross-reaction with Mouse, Monkey, Chicken, Dog and Rabbit has been reported in publications for clone MC-813-70.
Species Reactivity:	Tested: Human. Expected from sequence similarity: Chicken, Dog, Mouse, New World Monkey, Rabbit.
Storage:	Store the antibody at 2-8°C DO NOT FREEZE! This product is photosensitive and should be protected from light. Shelf life: one year from despatch.
General Readings:	1. Kannagi, R., et al., EMBO J. 2: 2355 (1983) 2. Gang E.J. et al. Blood. Feb 15;109(4):1743-51 (2007) 3. Henderson, J.K., et al. Stem Cells. 20: 329 (2002) 4. Müller T, et al. Hum Reprod. 2009 Feb 27 (2009)

For research and in vitro use only. Not for diagnostic or therapeutic work. Material Safety Datasheets are available at www.acris-antibodies.com or on request.



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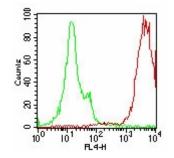
Acris Antibodies is now part of the OriGene family. Learn more at www.origene.com



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Pictures:

Cell Surface Flow Cytometric analysis of SSEA-4 on Human 2102Ep cells using 10 μ l/10e6 cells of AM20368AF6-S SSEA-4 antibody. Green Histogram represents isotype control. Red Histogram represents SSEA-4 antibody. Cell surface flow kit was used for this test (cells were not fixed for testing).



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