

## OriGene Technologies Inc.

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## AM20368RP-S OriGene EU

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## Monoclonal Antibody to SSEA-4 - PE

Alternate names: Catalog No.:	Embryonic Stem Cell Marker, SSEA4, Stage-Specific Embryonic Antigen-4 AM20368RP-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
Recommended Isotype Controls:	AM08210RP-N
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 10mM Tris, 150mM Sodium Chloride containing 0.05% BSA and 0.05% Sodium Azide Label: PE
Applications:	Flow Cytometry (Cell Surface): 10 $\mu$ l (0.25 $\mu$ g)/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:	<b>Tested:</b> Human. <b>Expected from sequence similarity:</b> Chicken, Dog, Mouse, New World Monkey, Rabbit.
Storage:	Store the antibody at 2-8°C <b>DO NOT FREEZE!</b> 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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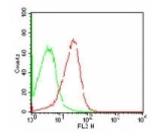
Acris Antibodies is now part of the OriGene family. Learn more at www.origene.com



## AM20368RP-S: Monoclonal Antibody to SSEA-4 - PE

**Pictures:** 

Cell Surface Flow Cytometric analysis of SSEA-4 on Human 2102Ep cells using 10 ul/10e6 cells of AM20368RP-S SSEA-4 antibody. Green Histogram represents isotype control. Red Histogram represents AM20368RP-S SSEA-4 antibody. Cell surface flow kit was used for this test (cells were not fixed for testing).



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