

## Biotin anti-human/mouse SSEA-3 Antibody

<b>Catalog# / Size</b>	330319 / 100 µg
<b>Clone</b>	MC-631
<b>Regulatory Status</b>	RUO
<b>Other Names</b>	Stage-Specific Embryonic Antigen-3
<b>Isotype</b>	Rat IgM, κ
<b>Description</b>	Stage-Specific Embryonic Antigen-3 (SSEA-3) is an internal core structure of glob-series glycolipids (R-Galβ1-3GalNAcβ1-3Galα1-4Galβ1-R). SSEA-3 is expressed on human teratocarcinoma cells (embryonal carcinoma, EC), embryonic stem cells (ESC), embryonic germ cells (EG), and preimplantation embryos. The expression of SSEA-3 on human ESC is downregulated upon differentiation. SSEA-3 is also expressed by mouse on unfertilized eggs and preimplantation to early cleaved embryos.

### Product Details

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<b>Reactivity</b>	Human, African Green, Mouse
<b>Antibody Type</b>	Monoclonal
<b>Host Species</b>	Rat
<b>Immunogen</b>	4-8 cell stage mouse embryos
<b>Formulation</b>	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.
<b>Preparation</b>	The antibody was purified by affinity chromatography and conjugated with biotin under optimal conditions.
<b>Concentration</b>	0.5 mg/ml
<b>Storage &amp; Handling</b>	The antibody solution should be stored undiluted between 2°C and 8°C. <b>Do not freeze.</b>
<b>Application</b>	<a href="#">FC - Quality tested</a>
<b>Recommended Usage</b>	Each lot of this antibody is quality control tested by <a href="#">immunofluorescent staining with flow cytometric analysis</a> . For flow cytometric staining, the suggested use of this reagent is ≤0.5 µg per million cells in 100 µl volume. It is recommended that the reagent be titrated for optimal performance for each application.
<b>Application Notes</b>	Additional reported applications (for the relevant formats) include: immunofluorescence microscopy <sup>1</sup> .
<b>Application References</b> (PubMed link indicates BioLegend citation)	1. Kannagi R, <i>et al.</i> 1983. <i>EMBO</i> 2:2355. (IF) 2. Kaufmann B, <i>et al.</i> 2005. <i>Virology</i> 332:189. (ELISA)
<b>RRID</b>	AB_2687025 (BioLegend Cat. No. 330319)

### Antigen Details

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<b>Distribution</b>	Embryonic stemcells
<b>Cell Type</b>	Embryonic Stem Cells
<b>Biology Area</b>	Cell Biology, Immunology, Stem Cells
<b>Gene ID</b>	<a href="#">93961</a>

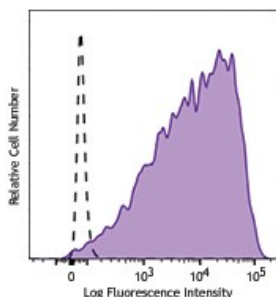
## Other Formats

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PE anti-human/mouse SSEA-3, Alexa Fluor® 488 anti-human/mouse SSEA-3, Purified anti-human/mouse SSEA-3, Alexa Fluor® 647 anti-human/mouse SSEA-3, APC/Cyanine7 anti-human/mouse SSEA-3, Biotin anti-human/mouse SSEA-3, FITC anti-human/mouse SSEA-3, PerCP/Cyanine5.5 anti-human/mouse SSEA-3, PE/Cyanine7 anti-human/mouse SSEA-3

## Product Data

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NCCIT, human teratocarcinoma cell line stained with MC-631 Biotin, followed by Streptavidin PE (filled histogram), and Rat IgM  $\kappa$  Biotin, followed by Streptavidin PE (dashed histogram).

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