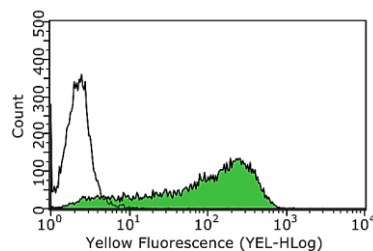


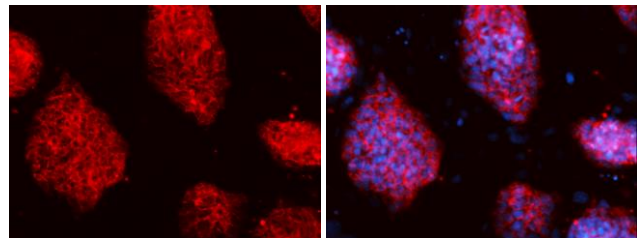
SSEA-1 anti-Human/Mouse Antibody

Catalog Number: ST11013

Size	100 µL	
Concentration	0.5 mg/mL	
Species Reactivity	Human, Mouse	
Host	Mouse Monoclonal	
Clone	MC-480	
Isotype	IgM	
Immunogen	F9 tetracarcinoma stem cells (X-irradiated)	
Formulation	Aqueous buffer, 0.09% sodium azide.	
Storage and Stability	Store at 2-8°C. Stable for 6 months from date of receipt when stored as directed.	
Applications Tested	Flow Cytometry (FC), Immunocytochemistry/Immunofluorescence (ICC/IF)	
Recommended Dilutions	Flow Cytometry	1:100
	Immunocytochemistry/Immunofluorescence	1:100
	It is recommended that the antibody be titrated for optimal performance for each application.	



FC analysis of SSEA-1 Antibody on mouse ES cells at a 1:100 dilution. Green histogram represents SSEA-1 Antibody and open histogram represents isotype control. A PE-conjugated anti-Mouse IgM was used as the secondary antibody.



ICC analysis on mouse ES cells. Cells were stained with SSEA-1 Antibody at a 1:100 dilution followed by an Alexa Fluor 594-conjugated secondary antibody (red). Nuclei were counterstained with DAPI (blue).

Description	Stage-specific embryonic antigen-1 (SSEA-1) is a carbohydrate epitope expressed upon the surface of early mouse embryos, murine embryonal carcinoma (EC), murine embryonic stem (ES), and murine and human germ (EG) cells. 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. SSEA-1 is associated with cell adhesion, migration and differentiation.
Alternative Names	CD15, Stage-specific embryonic antigen 1
References	<p>Brambrink, T., et al. (2008) Sequential expression of pluripotency markers during direct reprogramming of mouse somatic cells. <i>Cell Stem Cell</i> 2: 151-159. PMID: 18371436.</p> <p>Draper, J.S., et al. (2002) Surface antigens of human embryonic stem cells: changes upon differentiation in culture. <i>J Anat</i> 200: 249-258. PMID: 12033729.</p>

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