

SSEA3 Monoclonal Antibody (MC-631), DyLight™ 650

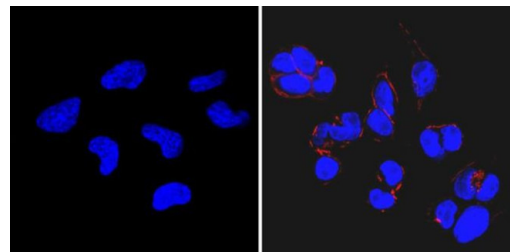
Product Details	
Size	100 µL
Species Reactivity	Human
Published Species	Human
Host/Isotype	Rat / IgM
Class	Monoclonal
Type	Antibody
Clone	MC-631
Conjugate	DyLight™ 650
Excitation/Emission Max	651/673 nm
Immunogen	Fischer rat immunized with 4-8 cell stage mouse embryos
Form	Liquid
Concentration	1 mg/mL
Purification	Affinity chromatography - MBP
Storage buffer	PBS with proprietary stabilizer
Contains	0.02% sodium azide
Storage conditions	4° C, do not freeze
RRID	AB_2536684

Applications	Tested Dilution	Publications
Immunocytochemistry (ICC/IF)	1:10-1:100	-
Flow Cytometry (Flow)	1:50-1:500	1 Publication

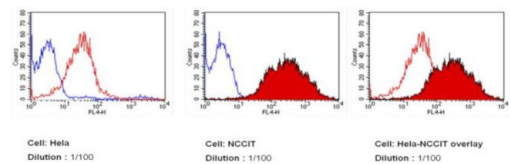
Product Specific Information

MA1-020-D650 has been successfully used in ICC/IF and flow cytometry applications on human samples.

Product Images For SSEA3 Monoclonal Antibody (MC-631), DyLight™ 650



SSEA3 Antibody (MA1-020-D650) in ICC/IF
Immunofluorescent analysis of SSEA-3 (red) showing membrane staining of NCCIT cells (right panel) compared to a negative HeLa control (left panel). The cells were fixed with formalin for 15 minutes, washed, and then blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with a DyLight 650-conjugated SSEA-3 monoclonal antibody (Product # MA1-020-D650) in 3% BSA-PBS at a dilution of 1:20 and incubated for 1 hour at 37C in the dark. Nuclei (blue) were stained with DAPI. Images were taken at 60X magnification.



SSEA3 Antibody (MA1-020-D650) in Flow
Flow cytometry analysis of SSEA-3 in NCCIT (red filled histogram) and HeLa cells (red unfilled histogram) compared to unstained cells (blue histogram). Positive staining is observed on NCCIT cells when compared to no antibody control (middle panel) and to SSEA-3-negative HeLa cells (right panel). Cells were fixed with 2% paraformaldehyde and washed with PBS. Cells were blocked with 2% BSA-PBS for 30 minutes at room temperature and incubated with a DyLight 650-conjugated SSEA-3 monoclonal antibody (Product # MA1-020-D650) in 2% BSA-PBS at a dilution of 1:100 for 60 minutes at room temperature. Cells were washed and re-suspended in PBS for FACS analysis.

1 Reference

Flow Cytometry (1)

STAR protocols	Year 2021
Process control and <i>in silico</i> modeling strategies for enabling high density culture of human pluripotent stem cells in stirred tank bioreactors.	Species Human
"MA1-020-D650 was used in Flow cytometry/Cell sorting to describe a protocol for the fully controlled expansion of human pluripotent stem cells (hPSCs) in stirred tank bioreactors (STBRs) enabling cell densities of 35 × 10 ⁶ cells/mL while reducing culture medium consumption by 75%."	Dilution 1:50
Authors: Manstein F,Ullmann K,Triebert W,Zweigerdt R	

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