

SSEA3 Monoclonal Antibody (MC-631), DyLight 488

Product Details	
Size	100 µL
Species Reactivity	Human
Host/Isotype	Rat / IgM
Class	Monoclonal
Type	Antibody
Clone	MC-631
Conjugate	DyLight® 488
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_2536683

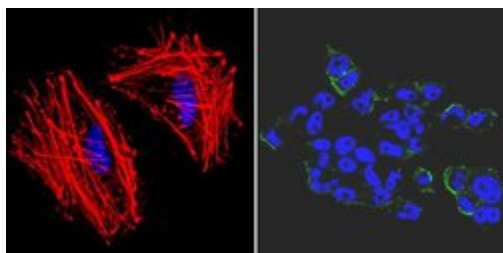
Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	1:50-1:500	-
ELISA (ELISA)	1 µg/mL	-
Immunocytochemistry (ICC/IF)	1:10-1:100	-

Product Specific Information

MA1-020-D488 has been successfully used in ICC/IF and flow cytometry applications on human samples.

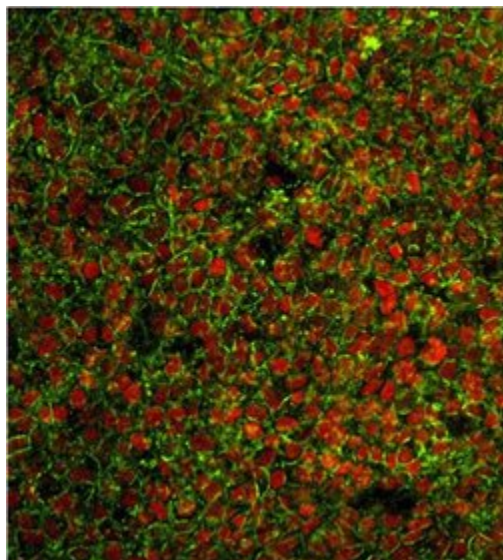
MA1-020-D488 can be used for immunofluorescence analysis of SSEA3 in human iPSCs.

Product Images For SSEA3 Monoclonal Antibody (MC-631), DyLight 488



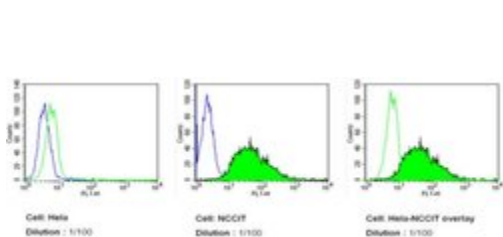
SSEA3 Antibody (MA1-020-D488) in ICC/IF

Immunofluorescent analysis of SSEA-3 (green) showing membrane staining of NCCIT cells (right panel) compared to negative HeLa cell 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 488-conjugated SSEA-3 monoclonal antibody (Product # MA1-020-D488) in 3% BSA-PBS at a dilution of 1:20 and incubated for 1 hour at 37C in the dark. F-Actin (left panel, red) was stained with DyLight 554 Phalloidin (Product # 21834) and nuclei (both panels, blue) were stained with DAPI. Images were taken at 60X magnification.



SSEA3 Antibody (MA1-020-D488) in ICC/IF

Immunofluorescent analysis of SSEA3 (green) in human induced pluripotent stem cells. The cells were fixed, permeabilized and stained with a DyLight 488 conjugated SSEA3 monoclonal antibody (Product # MA1-020-D488, green) and a DyLight D550 conjugated NANOG monoclonal antibody (Product # MA1-017-D550, red) at a dilution of 1:100 in 3% BSA/PBS blocking buffer overnight at 4°C. Note: Data courtesy of Innovators Program.



SSEA3 Antibody (MA1-020-D488) in Flow

Flow cytometry analysis of SSEA-3 in NCCIT (green filled histogram) and HeLa cells (green 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 488-conjugated SSEA-3 monoclonal antibody (Product # MA1-020-D488) 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.

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