

SSEA5 Monoclonal Antibody (8E11), DyLight™ 488

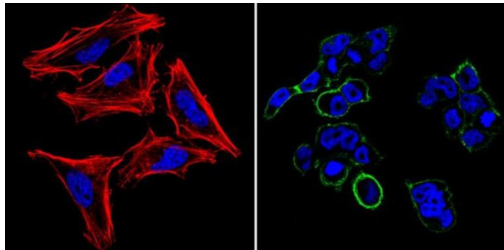
Product Details	
Size	100 µL
Species Reactivity	Human
Host/Isotype	Mouse / IgG1, kappa
Class	Monoclonal
Type	Antibody
Clone	8E11
Conjugate	DyLight™ 488
Excitation/Emission Max	492/519 nm
Immunogen	Undifferentiated H9 human embryonic stem cells
Form	Liquid
Concentration	1 mg/mL
Purification	Protein A
Storage buffer	PBS with proprietary stabilizer
Contains	0.02% sodium azide
Storage conditions	4° C, do not freeze
RRID	AB_2536849

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

Product Specific Information

Immunofluorescence and flow cytometric analysis of MA1-144-D488 shows positive staining of SSEA-5 positive pluripotent cells and cultured human embryonal carcinoma NCCIT cells.

Product Images For SSEA5 Monoclonal Antibody (8E11), DyLight™ 488

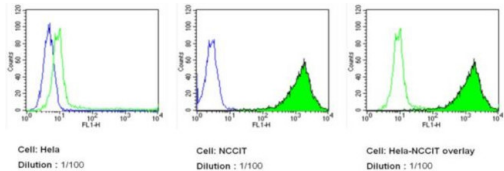


SSEA5 Antibody (MA1-144-D488) in ICC/IF

Immunofluorescent analysis of SSEA-5 (green) showing membrane staining of NCCIT cells (right panel) compared to 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 488-conjugated SSEA-5 monoclonal antibody (Product # MA1-144-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.

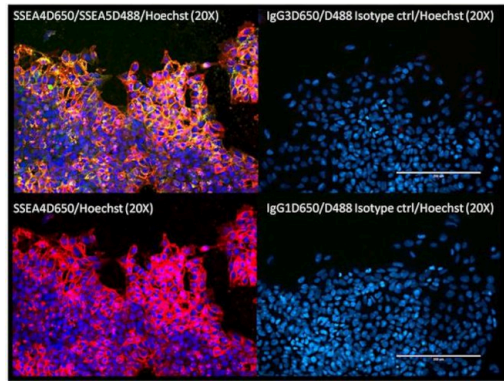
SSEA5 Antibody (MA1-144-D488) in Flow

Flow cytometry analysis of SSEA-5 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-5-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-5 monoclonal antibody (Product # MA1-144-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.



SSEA5 Antibody (MA1-144-D488) in ICC/IF

Immunofluorescent analysis of SSEA5 (green) and SSEA4 (red) in human episomal iPSC cells. Cells were grown on vitronectin coated plates, fixed with 4% paraformaldehyde for 15 minutes, and blocked with 3% Blocker BSA (Product # 37525) for 30 minutes at room temperature. Cells were co-stained with DyLight 488-conjugated SSEA5 and DyLight 650-conjugated SSEA4 monoclonal antibodies (top left panel, Product # MA1-144-D488 and Product # MA1-021-D650) or DyLight 488-conjugated Mouse IgG1 and DyLight 650-conjugated Mouse IgG3 isotype control antibodies (right panels, Product # MA1-191-D488 and Product # MA1-190-D650), at a dilution of 1:50 and incubated for 1 hour at room temperature. Nuclei (blue) were stained with Hoechst 33342 dye (Product # 62249). Images were taken on an EVOS FL Imaging system at 20X magnification.



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