

# SSEA5 Monoclonal Antibody (8E11), DyLight 488

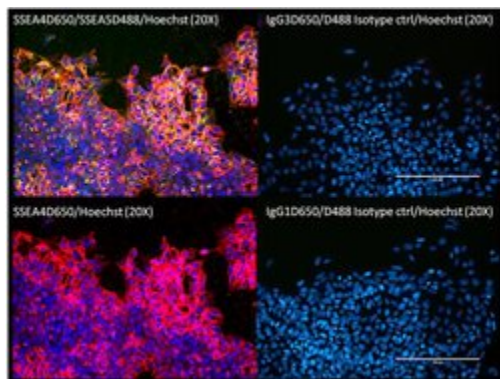
Product Details	
Size	100 µL
Species Reactivity	Human
Host/Isotype	Mouse / IgG1, kappa
Class	Monoclonal
Type	Antibody
Clone	8E11
Conjugate	DyLight® 488
Immunogen	Undifferentiated H9 human embryonic stem cells
Form	Liquid
Concentration	1 mg/mL
Purification	Protein A
Storage buffer	PBS with proprietary 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

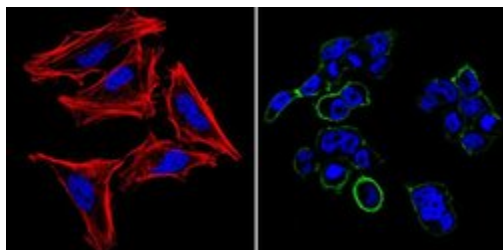
Immunofluorescence and flow cytometric analysis of MA1-144-D488 shows positive staining of SSEA-5 positive pluripotent cells and cultured human embryonal carcinoma NCCIT cells.

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



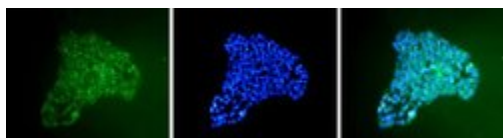
### SSEA5 Antibody (MA1-144-D488) in ICC/IF

Immunofluorescent analysis of 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.



### 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 ICC/IF

Immunofluorescent analysis of SSEA-5 (green) shows staining on the cell surface of human HEL 11.4 iPS cells, indicating pluripotency. SSEA-5 staining (left panel), DAPI staining (middle panel) and an overlay image of SSEA-5 with DAPI (right panel) are shown. HEL 11.4 iPS cells were grown on matrigel-coated chamber slides and fixed with 4% formaldehyde for 15 minutes prior to staining. Cells were probed with a DyLight 488-conjugated SSEA-5 monoclonal antibody (Product # MA1-144-D488) in 0.1% Tween-PBS at a dilution of 1:100, and incubated overnight at 4C. Images were taken at 20X magnification.

[View more figures on thermofisher.com](https://www.thermofisher.com)

For Research Use Only. Not for use in diagnostic procedures. Not for resale without express authorization. Products are warranted to operate or perform substantially in conformance with published Product specifications in effect at the time of sale, as set forth in the Production documentation, specifications and/or accompanying package inserts ("Documentation"). No claim of suitability for use in applications regulated by FDA is made. The warranty provided herein is valid only when used by properly trained individuals. Unless otherwise stated in the Documentation, this warranty is limited to one year from date of shipment when the Product is subjected to normal, proper and intended usage. This warranty does not extend to anyone other than the Buyer. Any model or sample furnished to Buyer is merely illustrative of the general type and quality of goods and does not represent that any Product will conform to such model or sample. NO OTHER WARRANTIES, EXPRESS OR IMPLIED, ARE GRANTED INCLUDING WITHOUT LIMITATION, IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, OR NON INFRINGEMENT. BUYER'S EXCLUSIVE REMEDY FOR NON-CONFORMING PRODUCTS DURING THE WARRANTY PERIOD IS LIMITED TO REPAIR, REPLACEMENT OF OR REFUND FOR THE NON-CONFORMING PRODUCT(S) AT SELLER'S SOLE OPTION. THERE IS NO OBLIGATION TO REPAIR, REPLACE OR REFUND FOR PRODUCTS AS THE RESULT OF (I) ACCIDENT, DISASTER OR EVENT OF FORCE MAJEURE, (II) MISUSE, FAULT OR NEGLIGENCE OF OR BY BUYER, (III) USE OF THE PRODUCTS IN A MANNER FOR WHICH THEY WERE NOT DESIGNED, OR (IV) IMPROPER STORAGE AND HANDLING OF THE PRODUCTS. Unless otherwise expressly stated on the Product or in the documentation accompanying the Product, the Product is intended for research only and is not to be used for any other purpose, including without limitation, unauthorized commercial uses, in vitro diagnostic uses, ex vivo or in vivo therapeutic uses, or any type of consumption by or application to human or animals.