Nanog Monoclonal Antibody (23D2-3C6), DyLight™ 488

Product Details	
Size	100 µL
Species Reactivity	Human
Host/Isotype	Mouse / IgG1
Class	Monoclonal
Type	Antibody
Clone	23D2-3C6
Conjugate	DyLight™ 488
Excitation/Emission Max	492/519 nm
Immunogen	Full-length human recombinant protein expressed in bacteria
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_2536678

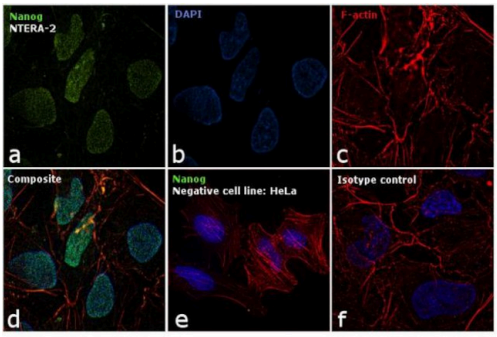
Applications	Tested Dilution	Publications
Immunocytochemistry (ICC/IF)	1:10-1:250	-
Flow Cytometry (Flow)	1:100	-

Product Specific Information

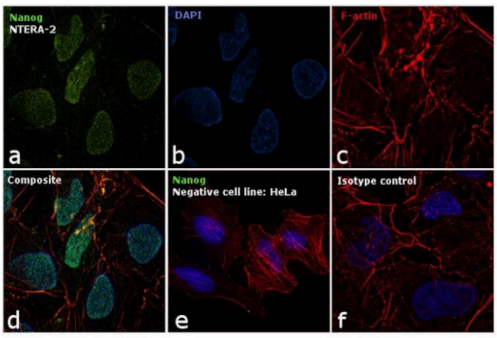
MA1-017-D488 has been successfully used in ICC/IF applications with human samples.

MA1-017-D488 can be used for flow cytometry analysis of Nanog in human iPSCs.

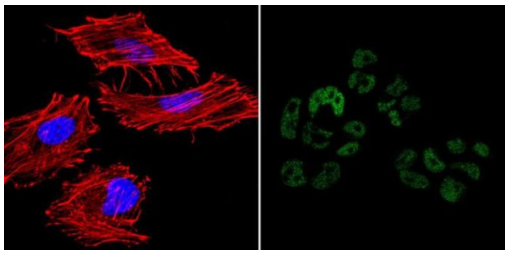
Product Images For Nanog Monoclonal Antibody (23D2-3C6), DyLight™ 488



Nanog Antibody (MA1-017-D488)
Antibody specificity was demonstrated by detection of differential basal expression of the target across cell models owing to their inherent genetic constitution. Immunofluorescence analysis showed expression of Nanog in NTERA-2 and not in HeLa which is a negative model for Nanog using Nanog Monoclonal Antibody (Product # MA1-017-D488). {RE}



Nanog Antibody (MA1-017-D488) in ICC/IF
Immunofluorescence analysis of Nanog was performed using 70% confluent log phase NTERA-2 cells. The cells were fixed with 4% paraformaldehyde for 10 minutes, permeabilized with 0.1% Triton™ X-100 for 15 minutes, and blocked with 1% BSA for 1 hour at room temperature. The cells were labeled with Nanog Mouse Monoclonal Antibody (Product # MA1-017-D488) at 1:250 dilution in 0.1% BSA, incubated at 4 degree Celsius overnight (Panel a: green). Nuclei (Panel b: blue) were stained with ProLong™ Diamond Antifade Mountant with DAPI (Product # P36962). F-actin (Panel c: red) was stained with Rhodamine Phalloidin (Product # R415, 1:300). Panel d represents the merged image showing nuclear localization. Panel e shows Nanog negative cell line HeLa with no signal. Panel f represents control cells with Isotype control to assess background. The images were captured at 60X magnification.



Nanog Antibody (MA1-017-D488) in ICC/IF
Immunofluorescent analysis of Nanog (green) showing nuclear staining of NCCIT cells (right panel) compared to negative HeLa cell control (left panel). The cells were fixed with formalin for 15 minutes, permeabilized with 0.1% Triton X-100 in TBS, washed, and then blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with a DyLight 488-conjugated Nanog monoclonal antibody (Product # MA1-017-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 (left panel, blue) were stained with DAPI. Images were taken at 60X magnification.

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