

LIN28A Monoclonal Antibody (14E6-4E6), DyLight™ 488

Product Details	
Size	100 µL
Species Reactivity	Human, Mouse
Host/Isotype	Mouse / IgG2a
Class	Monoclonal
Type	Antibody
Clone	14E6-4E6
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_2536673

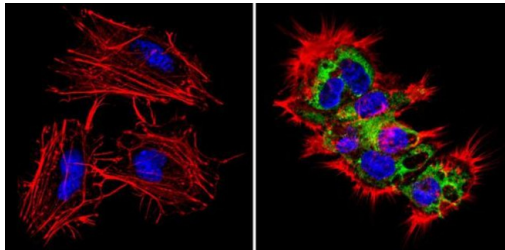
Applications	Tested Dilution	Publications
Immunocytochemistry (ICC/IF)	1:50-1:500	-
Flow Cytometry (Flow)	1:50-1:500	-

Product Specific Information

MA1-016-D488 has been successfully used in ICC/IF and flow cytometry applications on human and mouse samples.

MA1-016-D488 can be used for immunofluorescence analysis of LIN28 in human iPSCs.

Product Images For LIN28A Monoclonal Antibody (14E6-4E6), DyLight™ 488

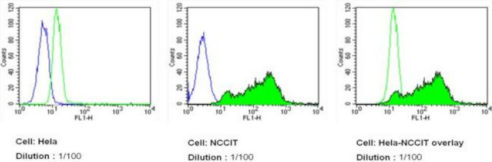


LIN28A Antibody (MA1-016-D488) in ICC/IF

Immunofluorescent analysis of Lin28 (green) showing cytoplasmic staining of NCCIT cells (right panel) compared to HeLa cells (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 Lin28 monoclonal antibody (Product # MA1-016-D488) in 3% BSA-PBS at a dilution of 1:100 and incubated for 1 hour at 37C in the dark. F-Actin (both panels, red) was stained with DyLight 554 Phalloidin (Product # 21834) and nuclei (both panels, blue) were stained with DAPI. Images were taken at 60X magnification.

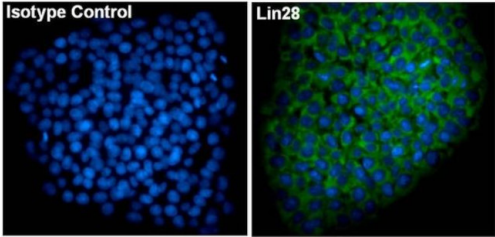
LIN28A Antibody (MA1-016-D488) in Flow

Flow cytometry analysis of Lin28 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 HeLa cells (right panel). Cells were fixed with 2% paraformaldehyde, permeabilized with 90% methanol and washed with PBS. Cells were blocked with 2% BSA-PBS for 30 minutes at room temperature and incubated with a DyLight 488-conjugated Lin28 monoclonal antibody (Product # MA1-016-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.



LIN28A Antibody (MA1-016-D488) in ICC/IF

Immunofluorescent analysis of Lin28 (green) in Human episomal iPSC cells. The cells were fixed with formalin for 15 minutes, permeabilized with 0.1% Triton X-100 in TBS for 10 minutes, and blocked with 3% Blocker BSA (Product # 37525) for 30 minutes at room temperature. Cells were stained with Dylight 488-conjugated Lin28 monoclonal antibody (right, Product # MA1-016-D488) or Dylight 488-conjugated Mouse IgG2a isotype control antibody (left, Product # MA1-193-D488), at a dilution of 1:50 and incubated for 1 hour at room temperature. Nuclei (both panels, blue) were stained with Hoechst 33342 dye (Product # 62249). Images were taken at 20X magnification.



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