

iNOS Monoclonal Antibody (4E5)

Product Details	
Size	100 µg
Species Reactivity	Human, Mouse
Host/Isotope	Mouse / IgG1
Class	Monoclonal
Type	Antibody
Clone	4E5
Conjugate	Unconjugated
Immunogen	Purified recombinant fragment of human NOS2 expressed in E. Coli.
Form	Liquid
Concentration	1 mg/mL
Purification	purified
Storage buffer	PBS
Contains	0.05% sodium azide
Storage Conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_2538610

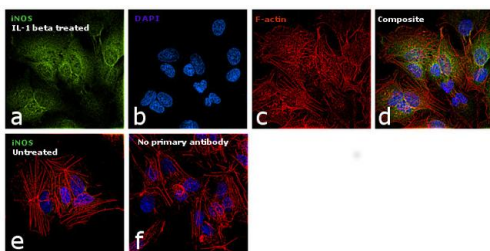
Applications	Tested	Dilution	Published
Immunohistochemistry (IHC)	✓	1:200 - 1:1000	1 Publication
Flow Cytometry (Flow)	✓	1:200 - 1:400	
Immunocytochemistry (ICC)	✓	5 µg/mL	
Immunofluorescence (IF)	✓	5 µg/mL	
Western Blot (WB)	✓	1:500 - 1:2000	

Product Specific Information

MA5-17139 targets NOS2 in FACS, IHC, pep-ELISA, and WB applications and shows reactivity with Human and Mouse samples.

The MA5-17139 immunogen is purified recombinant fragment of human NOS2 expressed in E. Coli.

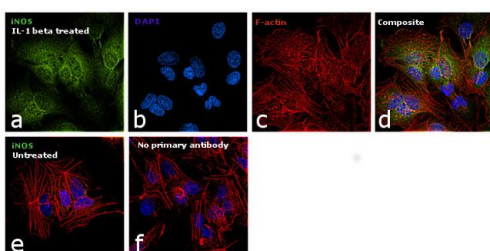
MA5-17139 detects NOS2 which has a predicted molecular weight of approximately 131kDa.



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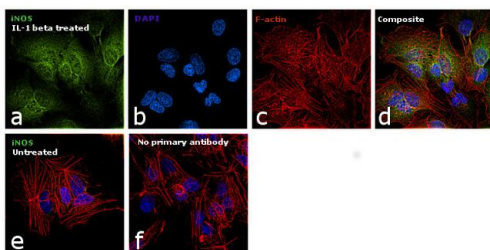
Altered expression of target protein upon cell treatment demonstrates antibody specificity. Immunofluorescence analysis of iNOS using iNOS Monoclonal Antibody (4E5) (Product # MA5-17139) shows induction of iNOS in Hep G2 cell line upon IL-1 beta treatment. Cell Treatment validation info.

Product Images For iNOS Monoclonal Antibody (4E5)



iNOS Antibody (MA5-17139) in IF

Immunofluorescence analysis of iNOS Monoclonal Antibody (4E5) was performed using 70% confluent log phase Hep G2 cells treated with 4 ng/mL of IL-1 beta for 16 hours. The cells were fixed with 4% paraformaldehyde for 10 minutes, permeabilized with 0.1% Triton™ X-100 for 10 minutes, and blocked with 1% BSA for 1 hour at room temperature. The cells were labeled with iNOS Monoclonal Antibody (4E5) (Product # MA5-17139) at 5 µg/mL in 0.1% BSA and incubated overnight at 4 degree and then labeled with Goat anti-Mouse IgG (H+L) Superclonal™ Secondary Antibody, Alexa Fluor® 488 conjugate (Product # A28175) at a dilution of 1:2000 for 45 minutes at room temperature (Panel a: green). Nuclei (Panel b: blue) were stained with SlowFade® Gold Antifade Mountant with DAPI (Product # S36938). F-actin (Panel c: red) was stained with Rhodamine Phalloidin (Product # R415, 1:300). Panel d represents the merged image showing cytoplasmic and nuclear localization. Panel e shows untreated cells with no signal. Panel f represents control cells with no primary antibody to assess background. The images were captured at 60X magnification.



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Immunohistochemistry (1)

Oncotarget

Impact of inducible nitric oxide synthase (iNOS) expression on triple negative breast cancer outcome and activation of EGFR and ERK signaling pathways.

"Published figure using iNOS monoclonal antibody (Product # MA5-17139) in Immunohistochemistry"

Authors: Garrido P, Shalaby A, Walsh EM, Keane N, Webber M, Keane MM, Sullivan FJ, Kerin MJ, Callagy G, Ryan AE, Glynn SA

Species
Not Applicable

Dilution
Not Cited

Year
2017

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