

# Product Datasheet

## iNOS Antibody (4E5) - Azide and BSA Free NBP2-80814

Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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**NBP2-80814**

iNOS Antibody (4E5) - Azide and BSA Free

**Product Information**

<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	1 mg/ml
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	4E5
<b>Preservative</b>	No Preservative
<b>Isotype</b>	IgG1
<b>Purity</b>	Ammonium sulfate precipitation
<b>Buffer</b>	PBS
<b>Target Molecular Weight</b>	131 kDa

**Product Description**

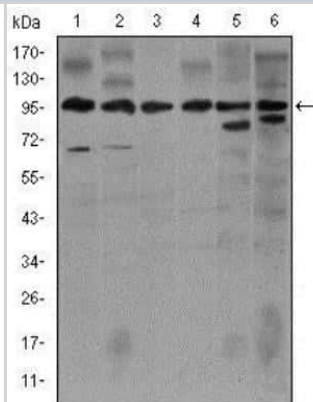
<b>Host</b>	Mouse
<b>Gene ID</b>	4843
<b>Gene Symbol</b>	NOS2
<b>Species</b>	Human, Mouse
<b>Immunogen</b>	iNOS Antibody (4E5) was made to a purified recombinant fragment of human iNOS (C-terminus) expressed in E. coli. [UniProt# P35228]

**Product Application Details**

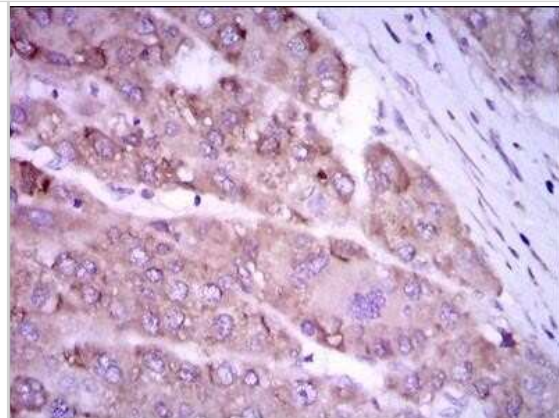
<b>Applications</b>	Western Blot, ELISA, Flow Cytometry, Flow (Intracellular), Immunohistochemistry, Immunohistochemistry-Paraffin, CyTOF-ready
<b>Recommended Dilutions</b>	Western Blot 1:500-1:2000, Flow Cytometry 1:200-1:400, ELISA 1:10000, Immunohistochemistry reported in scientific literature (PMID 29891729), Immunohistochemistry-Paraffin, Flow (Intracellular), CyTOF-ready
<b>Application Notes</b>	The observed molecular weight of the protein may vary from the listed predicted molecular weight due to post translational modifications, post translation cleavages, relative charges, and other experimental factors.

**Images**

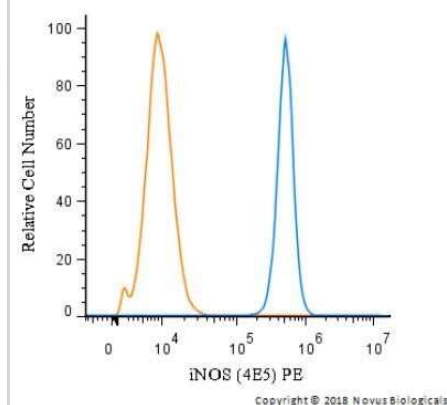
Western Blot: iNOS Antibody (4E5) - Azide and BSA Free [NBP2-80814]  
 - Analysis using iNOS mouse mAb against Jurkat (1), Jurkat (2), A549 (3), HeLa (4), NIH3T3 (5) and MCF-7 (6) cell lysate. Image from the standard format of this antibody.



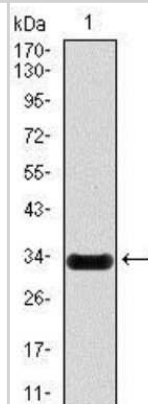
**Immunohistochemistry-Paraffin: iNOS Antibody (4E5) - Azide and BSA Free [NBP2-80814]** - Analysis of paraffin-embedded liver cancer tissues using iNOS mouse mAb with DAB staining. Image from the standard format of this antibody.



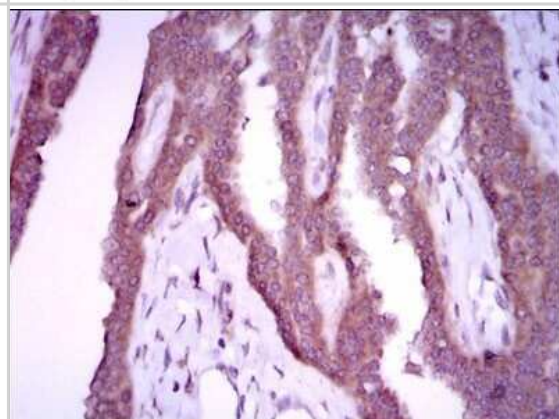
**Flow Cytometry: iNOS Antibody (4E5) - Azide and BSA Free [NBP2-80814]** - An intracellular stain was performed on A549 cells with NBP2-22119PE (blue) and a matched isotype control (orange). Cells were fixed with 4% PFA and then permeabilized with 0.1% saponin. Cells were incubated with antibody at 2.5 ug/mL for 30 minutes at room temperature. Both antibodies were directly conjugated to phycoerythrin (PE).



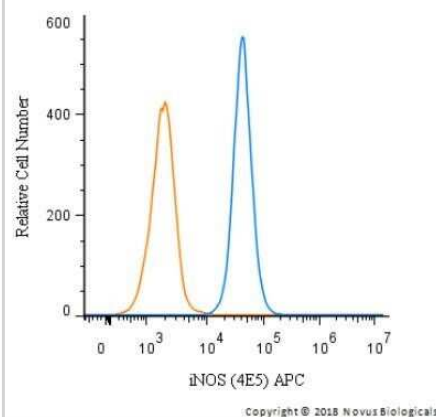
**Western Blot: iNOS Antibody (4E5) - Azide and BSA Free [NBP2-80814]** - Analysis using iNOS mAb against human iNOS (AA: 997-1058) recombinant protein. (Expected MW is 32.6 kDa) Image from the standard format of this antibody.



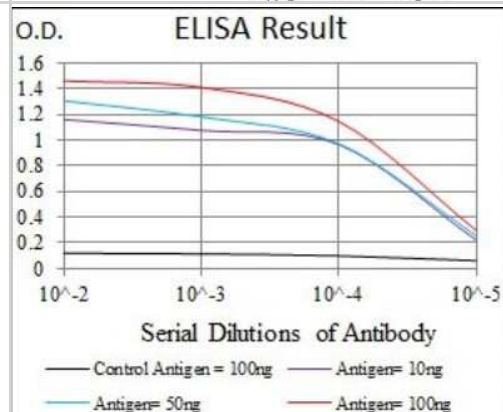
**Immunohistochemistry: iNOS Antibody (4E5) - Azide and BSA Free [NBP2-80814]** - Analysis of paraffin-embedded breast cancer tissues using iNOS mouse mAb with DAB staining. Image from the standard format of this antibody.



**Flow Cytometry: iNOS Antibody (4E5) - Azide and BSA Free [NBP2-80814]** - An intracellular stain was performed on A549 cells with NBP2-22119APC (blue) and a matched isotype control (orange). Cells were fixed with 4% PFA and then permeabilized with 0.1% saponin. Cells were incubated with antibody at 1  $\mu\text{g}/\text{mL}$  for 30 minutes at room temperature. Both antibodies were directly conjugated to allophycocyanin (APC).



**ELISA: iNOS Antibody (4E5) - Azide and BSA Free [NBP2-80814]** - Red: Control Antigen (100ng); Purple: Antigen (10ng); Green: Antigen (50ng); Blue: Antigen (100ng). Image from the standard format of this antibody.





### **Novus Biologicals USA**

10730 E. Briarwood Avenue  
Centennial, CO 80112  
USA  
Phone: 303.730.1950  
Toll Free: 1.888.506.6887  
Fax: 303.730.1966  
nb-customerservice@bio-techne.com

### **Bio-Techne Canada**

21 Canmotor Ave  
Toronto, ON M8Z 4E6  
Canada  
Phone: 905.827.6400  
Toll Free: 855.668.8722  
Fax: 905.827.6402  
canada.inquires@bio-techne.com

### **Bio-Techne Ltd**

19 Barton Lane  
Abingdon Science Park  
Abingdon, OX14 3NB, United Kingdom  
Phone: (44) (0) 1235 529449  
Free Phone: 0800 37 34 15  
Fax: (44) (0) 1235 533420  
info.EMEA@bio-techne.com

### **General Contact Information**

[www.novusbio.com](http://www.novusbio.com)  
Technical Support: nb-technical@bio-techne.com  
Orders: nb-customerservice@bio-techne.com  
General: novus@novusbio.com

### **Products Related to NBP2-80814**

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HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)
H00004843-Q01-10ug	Recombinant Human iNOS GST (N-Term) Protein

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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