

Product Datasheet

Nitrotyrosine Antibody (HM.11) - Azide Free NB600-1024

Unit Size: 0.05 mg

Store at 4C.

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Publications: 1

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Updated 2/21/2025 v.20.1

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NB600-1024

Nitrotyrosine Antibody (HM.11) - Azide Free

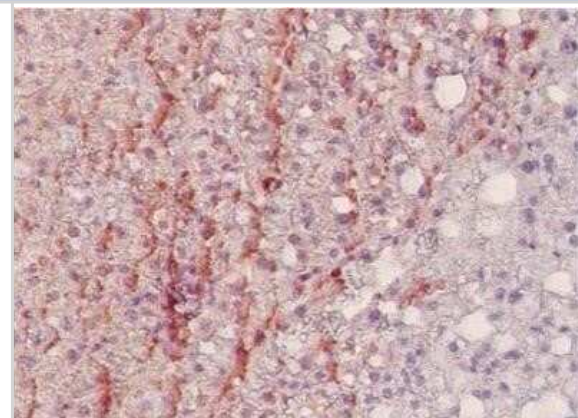
Product Information	
Unit Size	0.05 mg
Concentration	0.1 mg/ml
Storage	Store at 4C.
Clonality	Monoclonal
Clone	HM.11
Preservative	No Preservative
Isotype	IgG2b
Purity	Protein G purified
Buffer	0.2 um filtered solution in PBS and 0.1% BSA

Product Description	
Host	Mouse
Species	Human
Specificity/Sensitivity	This highly specific monoclonal antibody HM.11 reacts with nitrotyrosine, both with the free amino acid as well as with proteins containing nitrotyrosine. The presence of nitrotyrosine has been detected in various inflammatory processes including atherosclerotic plaques. Nitrotyrosine is formed in tissues in presence of the active metabolite NO and is a stable end product of nitrosylation of tyrosine. Various pathways including the formation of peroxynitrite lead to nitrotyrosine production.
Immunogen	Nitrated KLH

Product Application Details	
Applications	Western Blot, Immunoassay, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1:100-1:2000, Immunohistochemistry 1:10-1:500, Immunohistochemistry-Paraffin 1:10-1:500, Immunohistochemistry-Frozen 1:10-1:500, Immunoassay
Application Notes	Nitrotyrosine is a stable end product of nitrosylation of tyrosine and can be detected by histology on paraffin sections and frozen sections and by Western blot. The antibody is suitable for ELISA applications. (Warning: keep sterile, do not add sodium azide or any nitric containing preservative since this will affect the antibody)

Images

Immunohistochemistry-Paraffin: Nitrotyrosine Antibody (HM11) [NB600-1024] - Analysis using the Biotin conjugate of NB600-1024. Nitrotyrosine in human liver of severely obese patients. Staining of paraffin tissue section with clone HM.11. Anti-nitrotyrosine at 2 ug/ml (1h, RT).



Publications

Abu-Lubad M, Meyer TF, Al-Zeer MA. Chlamydia trachomatis Inhibits Inducible NO Synthase in Human Mesenchymal Stem Cells by Stimulating Polyamine Synthesis J. Immunol. 2014-08-11 [PMID: 25114102]





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Products Related to NB600-1024

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP2-27231	Mouse IgG2b Isotype Control (MPC-11)

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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