

Product datasheet for **AM10208SU-N**

Nitrotyrosine Mouse Monoclonal Antibody [Clone ID: 11C2]

Product data:

Product Type:	Primary Antibodies
Clone Name:	11C2
Applications:	ELISA, IF, IHC, WB
Recommended Dilution:	ELISA: 1/100-1/1000. Western Blot: 1/100-1/500. Immunocytochemistry: 1/100-1/500. Immunohistochemistry: 1/100-1/500.
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	KLH-Nitrotyrosine
Specificity:	Reacts with free and bound Nitrotyrosine. No cross reaction with free or bound Tyrosine
Formulation:	State: Supernatant State: Lyophilized Cell Culture Supernatant Preservative: 0.02% Sodium Azide
Reconstitution Method:	Restore in distilled water.
Conjugation:	Unconjugated
Storage:	Store lyophilized at 2-8°C for 6 months or at -20°C long term. After reconstitution store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C long term. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Background:	The enzymatic conversion of arginine to citrulline by nitric oxide synthase (NO Synthase) leads to the formation of nitric oxide (NO). NO forms peroxynitrite following the reaction with superoxide. Peroxynitrite is a potent oxidant that reacts with a variety of biological molecules, including tyrosine residues in proteins. Tyrosine nitration can inactivate enzymes and receptors that depend on tyrosine residues for their activity. Nitration prevents phosphorylation of tyrosine residues important for signal transduction.



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Synonyms: NO-Tyrosine, Nitro-Tyrosine