

## Product datasheet for **AM26141PU-N**

### Nitrotyrosine Mouse Monoclonal Antibody [Clone ID: EM-30]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	EM-30
Applications:	IHC, WB
Recommended Dilution:	<b>Western Blot.</b> <i>Positive Control:</i> NO <sub>2</sub> -BSA, NO <sub>2</sub> -HSA. <b>Immunohistochemistry on Paraffin Sections:</b> 10 µg/ml <i>Positive tissue:</i> Colon cancer epithelium, prostate hyperplasia. <b>Immunohistochemistry on Frozen Sections:</b> 10 µg/ml <i>Positive tissue:</i> Colon cancer epithelium, prostate hyperplasia.
Reactivity:	All Species
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	NO <sub>2</sub> -Tyr-CH <sub>2</sub> -Thyroglobulin
Specificity:	This antibody detects Nitrotyrosine group in biological material. It can be used as a marker for peroxynitrite formation in particular tissues.
Formulation:	Phosphate buffered saline (PBS), pH~7.4 State: Aff - Purified State: Liquid purified Ig fraction (> 95% pure by SDS-PAGE) Preservative: 15 mM Sodium Azide
Concentration:	lot specific
Purification:	Affinity Chromatography
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.

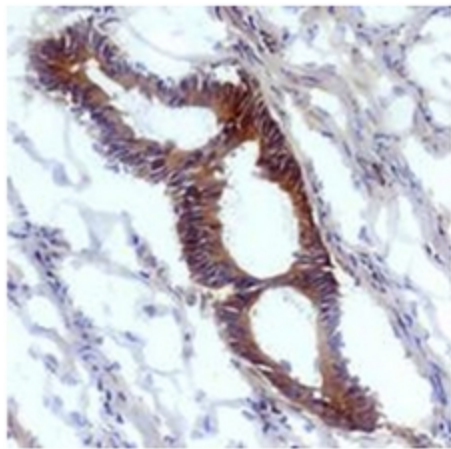


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**Background:** Nitrotyrosine can be detected in proteins from a variety of tissues usually in association with pathological conditions. Reaction of nitric oxide with superoxide produces peroxynitrite, which can undergo heterolytic cleavage into nitronium and hydroxyl ions. Nitration of tyrosine residues by nitronium ion forms nitrotyrosine groups in the respective proteins. Nitrotyrosine is thus a marker for inflammation-associated tissue damage.

**Synonyms:** NO-Tyrosine, Nitro-Tyrosine

**Product images:**



Immunohistochemistry staining (frozen sections) of Human tumoral colon epithelium with anti-Nitrotyrosine antibody (EM-30).