### Overview

**Product name**
- Anti-Nitro tyrosine (biotinylated) [8C7.3] antibody

**Description**
- Mouse monoclonal [8C7.3] to Nitro tyrosine (biotinylated)

**Host species**
- Mouse

**Tested applications**
- Suitable for: IHC-P, WB, ELISA, IP, IHC-Fr

**Species reactivity**
- Reacts with: Species independent

**Immunogen**
- Full length native protein (purified) corresponding to Nitro tyrosine (biotinylated).

### Properties

**Form**
- Liquid

**Storage instructions**
- Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at -20°C or -80°C. Avoid freeze/thaw cycle.

**Storage buffer**
- Preservative: 0.02% Sodium Azide
- Constituents: PBS, 0.5mg/ml BSA, pH 7.2

**Purity**
- Protein A purified

**Clonality**
- Monoclonal

**Clone number**
- 8C7.3

**Isotype**
- IgG2b

### Applications

Our Abpromise guarantee covers the use of ab24496 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

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**Application notes**
- ELISA: Use at an assay dependent dilution.
- IHC-Fr: Use at an assay dependent dilution.
- IP: Use at an assay dependent dilution.
- WB: Use at a concentration of 1 µg/ml.

Not yet tested in other applications.
Optimal dilutions/concentrations should be determined by the end user.

**Target**

**Relevance**
Nitric oxide (NO) is a product of the enzymatic conversion of arginine to citrulline by nitric oxide synthase. NO reacts rapidly with superoxide to form peroxynitrite. At physiological pH and in the presence of transition metals, peroxynitrite undergoes heterolytic cleavage to form hydroxyl anion and nitronium ion, the latter of which nitrates protein tyrosine residues. Thus, the presence of nitrotyrosine on proteins can be used as a marker for peroxynitrite formation in vivo. The presence of nitrotyrosine has been detected in various inflammatory processes including atherosclerotic plaques.

**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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