

Mouse NITROTYROSINE Monoclonal Antibody

MOUSE ANTI NITROTYROSINE

CATALOG # AAA49765	HOST Mouse	REACTIVITY Reacts with: BroadN.B. Antibody reactivity and working conditions may vary between species.	APPLICATIONS Western Blot, Immunoprecipitation, ELISA
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PRODUCT SYNONYMS

NITROTYROSINE; Monoclonal Antibody; MOUSE ANTI NITROTYROSINE; Tyr-NO₂; anti-NITROTYROSINE antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Reacts with: Broad N.B. Antibody reactivity and working conditions may vary between species.
Clonality	Monoclonal
Isotype	IgG1
Clone Number	6B2-3G2
Specificity	Nitrotyrosine
Form/Format	Purified IgG - liquid
Concentration	IgG concentration 1.0 mg/ml (varies by lot)
Applicable Applications for anti-NITROTYROSINE antibody	WB (Western Blot), IP (Immunoprecipitation), ELISA
Perservative Stabilisers	0.09% Sodium Azide (NaN ₃)
Preparation	Purified IgG prepared by affinity chromatography on Protein A
Buffer Solution	Phosphate buffered saline
Target Species	Chemical
Immunogen	Protein-bound Nitrotyrosine
Preparation and Storage	Store at 4 degree C or at -20 degree C if preferred. Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use. Shelf Life: 18 months from date of despatch.

ADDITIONAL INFORMATION

Related Product Information for anti-NITROTYROSINE antibody	Mouse anti Nitrotyrosine antibody, clone 6B2-3G2 recognizes both free and protein-bound nitrotyrosine (Tyr-NO₂), including human serum nitro albumin, nitro insulin and nitro haemoglobin. Nitrotyrosine arises from the nitration of protein tyrosine residues, by reactive nitrogen species such as peroxynitrite and nitrogen dioxide, and can be used as a measure of NO-dependent oxidative stress and cell damage. Increased levels of nitrotyrosine are detectable in various pathological conditions including atherosclerosis, rheumatoid arthritis, cardiovascular disease, inflammatory bowel disease and cystic fibrosis (Halliwell 1997). The specificity of Mouse anti Nitrotyrosine antibody, clone 6B2-3G2 as determined by competition ELISA is: Nitrotyrosine:95 % of inhibition Tyrosine:0 % of inhibition Nitrotryptophan:4 % of inhibition Aminotyrosine:0 % of inhibition Phosphotyrosine:2 % of inhibition Chlorotyrosine:3 % of inhibition
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For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/monoclonal/nitrotyrosine-antibody-clone-6b2-3g2-western-blot-immunoprecipitation-elisa/49765>