

Datasheet: MCA4761

BATCH NUMBER 180116

Description:	MOUSE ANTI NITROTYROSINE
Specificity:	NITROTYROSINE
Other names:	Tyr-NO2
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	6B2-3G2
Isotype:	IgG1
Quantity:	0.1 mg

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry			▪	
Immunohistology - Frozen			▪	
Immunohistology - Paraffin			▪	
ELISA	▪			2 - 100ng/ml
Immunoprecipitation	▪			1.0ug/ml
Western Blotting	▪			0.1ug/ml
Immunofluorescence			▪	

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

Target Species	Chemical
Species Cross Reactivity	<p>Reacts with: Broad</p> <p>N.B. Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.</p>
Product Form	Purified IgG - liquid

Preparation Purified IgG prepared by affinity chromatography on Protein A

Buffer Solution Phosphate buffered saline

Preservative Stabilisers 0.09% Sodium Azide (NaN₃)

Approx. Protein Concentrations IgG concentration 1.0 mg/ml

Immunogen Protein-bound Nitrotyrosine.

RRID AB_1898205

Specificity **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

Storage Store at +4°C or at -20°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.

Guarantee 12 months from date of despatch

Health And Safety Information Material Safety Datasheet documentation #10040 available at:
<https://www.bio-rad-antibodies.com/SDS/MCA4761>
10040

Regulatory For research purposes only

Related Products

Recommended Secondary Antibodies

Rabbit Anti Mouse IgG (STAR12...) [RPE](#)
Goat Anti Mouse IgG IgA IgM (STAR87...) [HRP](#)
Goat Anti Mouse IgG (STAR76...) [RPE](#)
Rabbit Anti Mouse IgG (STAR13...) [HRP](#)
Goat Anti Mouse IgG (STAR70...) [FITC](#)
Goat Anti Mouse IgG (H/L) (STAR117...) [Alk. Phos.](#), [DyLight®488](#), [DyLight®550](#),
[DyLight®650](#), [DyLight®680](#), [DyLight®800](#),
[FITC](#), [HRP](#)
Rabbit Anti Mouse IgG (STAR9...) [FITC](#)
Goat Anti Mouse IgG (STAR77...) [HRP](#)
Goat Anti Mouse IgG (Fc) (STAR120...) [FITC](#), [HRP](#)

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