

product **AS10 706-25**
3-nitroY | nitrotyrosine (25 µl)

product information

background	Nitrotyrosine is a marker of NO-dependent oxidative stress. It is a product of tyrosine nitration mediated by reactive nitrogen species.
immunogen	BSA-conjugated 3-(4-Hydroxy-3-nitrophenyl acetamido) propionic acid
antibody format	mouse monoclonal IgG2A liquid
quantity	25 µl
storage	store at -20°C; avoid repeated freeze-thaw cycles. Please, remember to spin tubes briefly prior to opening them to avoid any losses that might occur from lyophilized material adhering to the cap or sides of the tubes.
tested applications	western blot (WB), ELISA (ELISA), immunohistochemistry (IHC), immunoprecipitation (IP)
additional information	1 mg/ml of Protein G purified IgG2A in PBS pH 7.4, 0.09 % sodium azide, 50 % glycerol

application information

recommended dilution	needs to be determined for each application
expected apparent MW	n.a.
confirmed reactivity	human, mouse, rat, dog
predicted reactivity	higher plants
not reactive in	no confirmed exceptions from predicted reactivity known in the moment
additional information	antibody recognizes 3-nitrotyrosine moieties. No detectable crossreactivity with non-nitrated tyrosine. Not species specific. 0.7µg/ml was sufficient for detection of 5 µg SIN-1 treated BSA by Western Blot using standard ECL
selected references	Antibody used in western blot and ELISA: Girault et al. (2001) . Immunodetection of 3-nitrotyrosine in the liver of zymosan-treated rats with a new monoclonal antibody: comparison to analysis by HPLC. Free Radical Biology and Medicine, 31 (11): 1375-1387. Gow et al. (2004) . Biological significance of nitric oxide-mediated protein modifications. Am J Physiol Lung Cell Mol Physiol. 287(2): L262-8.

This product is **for research use only** (not for diagnostic or therapeutic use)

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Antibody used in immunohistochemistry: [Pfister](#) et al. (2002). Inducible nitric oxide synthase and nitrotyrosine in listeric encephalitis: a cross-species study in ruminants. *Vet Pathol.* 39: 190-199.