



Anti-Dityrosine (DT) Monoclonal Antibody

- Code:** NNS-MDT-020P-EX
- Content:** 20 μ g of IgG / vial. Lyophilized powder.
- Clone name:** #1C3
- Immunogen:** Keyhole limpet hemocyanin conjugated with 3-(p-hydroxyphenyl) propionic acid dimer.
- Subclass:** Mouse IgG_{2a}K, Protein-A purified.
- Application:** Immunohistochemistry and western blotting.
- Reconstitution:** Reconstitute with 200 μ L of distilled water.
- Buffer Concentration:** 100 μ g/mL of IgG in 10mM Phosphate buffered saline (pH7.4).
- Specificity:** This antibody binds to dityrosine, 3-(p-hydroxyphenyl) propionic acid dimer, dityrosine-conjugated BSA, Dityrosine in proteins and peptides.
Cross reactivity have been checked to following analogues:
Nitrotyrosine, chlorotyrosine, aminotyrosine, phosphotyrosine, tyrosine, 3-(p-hydroxyphenyl) propionic acid, 3,4-dihydroxyphenylacetic acid (DOPA) and phenylalanine.
- Storage:** Store at less than -20°C.
After reconstitution, store as frozen aliquots and avoid repeated freeze & thaw.
- Stability:** 3 years at -20°C.
- References:** Kato Y, Wu X, Naito M, Nomura H, Kitamoto N, Osawa T.
Immunochemical detection of protein dityrosine in atherosclerotic lesion of apo-E-deficient mice using a novel monoclonal antibody.
Biochem Biophys Res Commun. 275(1), p11-15 (2000).

Japanese patent No. 3687718.

For research use only, not for diagnostic use.

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