

Product datasheet for **AM26350PU-N**

Ethenoadenosine Mouse Monoclonal Antibody [Clone ID: 1G4]

Product data:

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| Product Type: | Primary Antibodies |
| Clone Name: | 1G4 |
| Applications: | ELISA, IHC, IP, WB |
| Recommended Dilution: | Immunohistochemistry on frozen sections. Flow cytometry. Immunoassays. Immunoprecipitation. Western blot. |
| Host: | Mouse |
| Isotype: | IgG2a |
| Clonality: | Monoclonal |
| Specificity: | The monoclonal antibody 1G4 reacts with both the ribose and deoxyribose form of the adduct. It is not cross reactive with non-modified DNA or the normal nucleotides. |
| Formulation: | PBS State: Purified State: Liquid 0.2 µm filtered Ig fraction Stabilizer: 0.1% bovine serum albumin Preservative: 0.02% sodium azide |
| Concentration: | lot specific |
| Purification: | Protein G |
| Conjugation: | Unconjugated |
| Storage: | Store at 2 - 8 °C. |
| Stability: | Shelf life: one year from despatch. |



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| Background: | The reaction of chloroacetaldehyde (CAA) with DNA results in the formation of ethenoadenosine also known as 1,N6-ethenodeoxy-adenosine or etheno-A. CAA is formed through metabolization of for example vinyl chloride, a well established carcinogen. In RNA, after in vitro activation, etheno-A and etheno-C are the principle products of RNA damage. Etheno derivate formation may be highest in single-stranded DNA-regions. |
| Synonyms: | 1,N6-ethenodeoxy-adenosine |