

**AM20257AF-N****Monoclonal Antibody to Human IgG4 (pFc specific) - Ascites**

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| <b>Alternate names:</b> | Human Immunoglobulin G4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Quantity:</b>        | 0.5 mg                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Concentration:</b>   | 1.0 mg/ml                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Host / Isotype:</b>  | Mouse / IgG1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Clone:</b>           | NI 315 (HP 6206)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Immunogen:</b>       | Highly purified monoclonal IgG4 isolated from pooled Human serum.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Format:</b>          | <b>State:</b> Lyophilized (delipidated, heat inactivated) stable ascites without preservatives or foreign proteins<br><b>Reconstitution:</b> Restore by adding 0.5 ml sterile distilled water.                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Applications:</b>    | To identify the presence of IgG4 in Human serum, other body fluids, cell and tissue substrates and to determine its concentration in techniques as ELISA, Indirect Immunoperoxidase and indirect Immunofluorescence staining of cytoplasmic IgG4, and Immunoblotting.<br><u>General Recommended Dilutions:</u><br><b>Immunohistochemistry:</b> 1/50-1/200.<br><b>ELISA:</b> from 1/500 upwards.<br><b>Western blot:</b> from 1/1000 upwards.<br>Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user. |
| <b>Specificity:</b>     | The reactivity of the antiserum is restricted to a subclass specific determinant on the pFc portion of the IgG4 molecule as tested in Indirect Binding Enzyme Immunoassay, Immunoblotting, Immunoprecipitation and Indirect Immunoperoxidase staining of cytoplasmic Ig.<br>The antiserum does not react with any other component of the human Ig system or any other Human plasma protein as tested. This antiserum has not been tested for cross-reactivity with other species.<br><b>Species:</b> Human.<br>Other species not tested.                           |
| <b>Storage:</b>         | Store lyophilized at 2-8°C for 6 months or at -20°C long term.<br>After reconstitution store the antibody undiluted at 2-8°C for one week or (in aliquots) at -20°C long term.<br>Avoid repeated freezing and thawing.<br>Shelf life: one year from despatch.                                                                                                                                                                                                                                                                                                      |