

AM20255BT-N**Monoclonal Antibody to Human IgG3 (F(ab')₂ specific) - Biotin**

Alternate names:	Human Immunoglobulin G3
Quantity:	0.2 mg
Concentration:	0.4 mg/ml
Host / Isotype:	Mouse / IgG1
Recommended Isotype Controls:	SM10B (for use in human samples)
Clone:	NI 330 (HP 6050)
Immunogen:	Highly purified monoclonal IgG3 isolated from pooled Human serum.
Format:	State: Lyophilized purified IgG fraction Buffer System: PBS, pH 7.2 without preservatives and foreign proteins Label: Biotin <i>Molar Ratio:</i> Biotin/IgG ~2.2 Reconstitution: Restore by adding 0.5 ml sterile distilled water
Applications:	To identify the presence of IgG3 in Human serum, other body fluids, cell and tissue substrates and to determine its concentration in techniques as ELISA, immunoperoxidase staining of cytoplasmic IgG3, and immunoblotting. As a second step an avidin or streptavidin conjugate of the customer's choice have to be used. <u>General Recommended Dilutions:</u> Histochemical Use: 1/50-1/250. ELISA: from 1/1,000 upwards. Western blot: from 1/500 upwards. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	The reactivity of the antiserum is restricted to a subclass specific determinant on the F(ab') ₂ portion of the IgG3 molecule as tested in direct binding enzyme immunoassay, Immunoblotting, Immunoprecipitation and direct immunoperoxidase staining of cytoplasmic Ig. Cross-Reactivity: The antibody does not react with any other component of the Human immunoglobulin system or any other Human plasma protein as tested. This antiserum has not been tested for cross-reactivity with other species. Species: Human. Other species not tested.
Add. Information:	Conjugation Procedure: Conjugation is carried out using a proprietary technique for the binding of biotin, followed by several purification steps. After each step activity and specificity are tested in a variety of techniques. No foreign protein has been added. The conjugate is lyophilized to assure stability and long shelf life.

Storage:

Prior to reconstitution store at 2-8°C.
Following reconstitution store undiluted at 2-8°C for one week
or (in aliquots) at -20°C for longer.
Avoid repeated freezing and thawing.
Shelf life: one year from despatch.

General Readings:

1. Jefferis R, Reimer CB, Skvaril F, de Lange GG, Goodall DM, Bentley TL, et al.
Evaluation of monoclonal antibodies having specificity for human IgG subclasses:
results of the 2nd IUIS/WHO collaborative study. Immunol Lett. 1992
Feb;31(2):143-68. PubMed PMID: 1371266.