

AM20254BT-N**Monoclonal Antibody to Human IgG2 (Fc specific) - Biotin**

Alternate names:	Human Immunoglobulin G2
Quantity:	0.2 mg
Concentration:	0.4 mg/ml
Host / Isotype:	Mouse / IgG1
Recommended Isotype Controls:	SM10B (for use in human samples)
Clone:	NI 25-1 (HP 6207)
Immunogen:	Highly purified monoclonal IgG2 isolated from pooled Human serum.
Format:	State: Lyophilized purified Ig fraction Buffer System: PBS, pH 7.2 without preservatives or foreign proteins Label: Biotin <i>Molar Ratio:</i> Biotin/IgG ~4.2 Reconstitution: Restore by adding 0.5 ml sterile distilled water
Applications:	To identify the presence of IgG2 in Human serum, other body fluids, cell and tissue substrates and to determine its concentration in techniques as ELISA, immunoperoxidase staining of cytoplasmic IgG2, 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 1/100 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 Fc portion of the IgG2 molecule as tested in direct binding enzyme Immunoassay, Immunoblotting, Immunoprecipitation and direct immunoperoxidase staining of cytoplasmic Ig. Cross-Reactivity: 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. Species: Human. Other species not tested.
Storage:	Store lyophilized at 2-8°C and reconstituted at 2-8°C for one week or (in aliquots) at -20°C for longer. Avoid Repeated thawing and freezing. 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.