

AM06072PU-N**Monoclonal Antibody to Human IgG - Purified**

Alternate names:	Human Immunoglobulin G
Quantity:	0.1 ml
Host / Isotype:	Mouse / IgG1
Recommended Isotype Controls:	SM10P (for use in human samples), AM03095PU-N
Clone:	4D2D9G8
Immunogen:	Human IgG was isolated from Human sera and purified by chromatography.
Format:	State: Liquid purified IgG fraction Buffer System: PBS Preservatives: 0.03% Sodium Azide
Applications:	Western Blot: 1/500 - 1/2000. ELISA: Propose dilution 1/10000. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	Monoclonal anti-Human IgG is derived from the hybridoma 1 produced by the fusion of mouse myeloma cells and splenocytes from an immunized mouse. It is specific for the whole Human IgG molecule, has no across action with Human IgM molecule as determined by an ELISA . Reactivity is observed with all Human IgG subclasses but <u>not</u> with the Fab fragment of Human IgG, the antibody site is located in the terminal end of Human IgG (part of the Fab fragment), the Fc portion has various important functions such as complement fixation, site for rheumatoid factor.
Species Reactivity:	Tested: Human.
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	1. Roitt, I, et al "Immunology", Mosby, London, England, (1996) fourth edition. 2. Vlug, A. et al "The structure and function of human IgG subclasses". Eur.Clin.Lab. 8, 26 (1989).

Pictures:

Western blot analysis using Human IgG antibody Cat-No AM06072PU-N (Lane 1, 2) and Albumin mouse mAb (Lane 3, 4) against Human Serum (Lane 1, 3) and plasma (Lane 2, 4).

