

SM1008P**Monoclonal Antibody to Human IgG1 (Fc specific) - Purified**

Alternate names:	Human Immunoglobulin G1
Quantity:	0.2 mg
Concentration:	1.0 mg/ml
Host / Isotype:	Mouse / IgG2a
Recommended Isotype Controls:	AM03096PU-N
Clone:	8c/6-39 (HP6091)
Immunogen:	Purified Human IgG1
Format:	State: Liquid purified IgG fraction Purification: Affinity Chromatography on Protein A Buffer System: PBS containing 0.09% Sodium Azide as preservative
Applications:	ELISA. Immunodiffusion. Immunohistochemistry on Frozen Sections. Not suitable for Paraffin Sections. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	SM1008P reacts with Human IgG1 at an epitope localised to the Fc region. It is negative on IgG2, IgG3, IgG4, free kappa or free lambda, IgM, IgA1 (lambda), IgA2 (kappa) and IgD.
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. 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. 2. Hussain R, Poindexter RW, Wistar R, Reimer CB. Use of monoclonal antibodies to quantify subclasses of human IgG. I. Development of two-site immunoenzymometric assays for total IgG subclass determinations. J Immunol Methods. 1986 Oct 23;93(1):89-96. PubMed PMID: 3534094. 3. Jefferis R, Kumararatne DS. Selective IgG subclass deficiency: quantification and clinical relevance. Clin Exp Immunol. 1990 Sep;81(3):357-67. PubMed PMID: 2204502. 4. Mutapi F, Mduluzi T, Ndhlovu PD. The effect of treatment on the age-antibody relationship in children infected with Schistosoma mansoni and Schistosoma haematobium. Mem Inst Oswaldo Cruz. 2002;97 Suppl 1:173-80. PubMed PMID: 12426616.