

Monoclonal Antibody to Chimaeric human IgM anti Nitrophenyl-hapten (NP) - Purified

Catalog No.:	SM2185P
Quantity:	0.5 mg
Concentration:	1.0 mg/ml
Host / Isotype:	Human / IgM
Clone:	THM
Immunogen:	Hapten, 4-hydroxy-3-nitrophenylacetyl (NP). Plasmids containing chimaeric heavy chain gene were fused with cells of the J558L mouse myeloma cell line.
Format:	State: Liquid purified IgG Purification: Affinity chromatography on NIP-Cap-Sepharose Buffer System: PBS, pH7.2 containing 0.09% Sodium Azide
Applications:	ELISA. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	The immunoglobulin heavy chain has been produced by the linking of the antigen-binding, variable region genes of a mouse hybridoma to human constant region genes by in vitro DNA recombination procedures. The resulting chimaeric antibody is subsequently expressed by the myeloma cell-line J558L after transfection. (The J558L cell-line self secretes a lambda light chain but no heavy chain). Thus a chimaeric human IgM antibody specific for NP has been produced. Species: Human. Other species not tested.
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. Neuberger MS, Williams GT, Fox RO. Recombinant antibodies possessing novel effector functions. Nature. 1984 Dec 13-19;312(5995):604-8. PubMed PMID: 6095112. 2. Neuberger, M.S. (1985) Making Novel Antibodies by expressing transfected immunoglobulin genes. TIBS 347-349. 3. Neuberger MS, Williams GT, Mitchell EB, Jouhal SS, Flanagan JG, Rabbitts TH. A hapten-specific chimaeric IgE antibody with human physiological effector function. Nature. 1985 Mar 21-27;314(6008):268-70. PubMed PMID: 2580239. 4. Neuberger, M.S., Williams, G.T. (1986) Construction of novel antibodies by use of DNA transfection: design of plasmid vectors. Philos. Trans. R. Soc. Lond. Ser. A: Hath. Phys. Sci. 317: 425-432.