

**SM2177****Monoclonal Antibody to NP (Chimaeric Human IgE) -  
Supernatant**

<b>Quantity:</b>	2 ml
<b>Concentration:</b>	0.02-0.05 mg/ml
<b>Host / Isotype:</b>	Human / IgE
<b>Clone:</b>	JW8/1
<b>Immunogen:</b>	Hapten, 4-hydroxy-3-nitrophenylacetyl (NP) <b>Remarks:</b> Plasmids containing chimeric heavy chain gene were fused with cells of the J558L mouse myeloma cell line.
<b>Format:</b>	<b>State:</b> Liquid Tissue Culture Supernatant. <b>Buffer System:</b> Contains 0.2M Tris/HCl pH7.4 and 5-10% Foetal Calf Serum in PBS buffer pH 7.2 with 0.09% Sodium Azide as preservative.
<b>Applications:</b>	Suitable for ELISA (1/20-1/100). Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
<b>Specificity:</b>	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 IgE antibody specific for NP has been produced. <b>Species:</b> Human. Other species not tested.
<b>Storage:</b>	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.
<b>General Readings:</b>	1. Neuberger MS, Williams GT, Fox RO. Recombinant antibodies possessing novel effector functions. <i>Nature</i> . 1984 Dec 13-19;312(5995):604-8. PubMed PMID: 6095112. 2. Neuberger, M.S., (1985). Making Novel Antibodies by expressing transfected immunoglobulin genes. <i>TIBS</i> 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. <i>Nature</i> . 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. <i>Phil. Trans. R. Soc. Lond.</i> A317: 425-432.