Datasheet: MCA446S

Description:	CHIMAERIC HUMAN IgM ANTI NP
Specificity:	IgM ANTI NP (CHIMAERIC)
Format:	S/N
Product Type:	Monoclonal Antibody
Clone:	THM
Isotype:	IgM
Quantity:	2 ml

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry			▪	
Immunohistology - Frozen			▪	
Immunohistology - Paraffin			▪	
ELISA	▪			
Immunoprecipitation			▪	
Western Blotting			▪	

Where this antibody has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. It is recommended that the user titrates the antibody for use in their own system using appropriate negative/positive controls.

Target Species	Human
Product Form	Tissue Culture Supernatant - liquid
Preparation	Tissue Culture Supernatant containing 0.2M Tris/HCl pH7.4 and 5-10% foetal calf serum
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide
Immunogen	Hapten, 4-hydroxy-3-nitrophenylacetyl (NP).
RRID	AB_1221577
Fusion Partners	Plasmids containing chimaeric heavy chain gene were fused with cells of the J558L mouse myeloma cell line.
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.
References	1. Neuberger, M.S. *et al*. (1984) Recombinant antibodies possessing novel effector functions. Nature 312: 604-608. 2. Neuberger, M.S. (1985) Making Novel Antibodies by expressing transfected immunoglobulin genes. TIBS 347-349. 3. Neuberger, M.S. *et al*. (1985) A hapten-specific chimaeric IgE antibody with Human physiological effector function. Nature 314: 268-270. 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.
Storage	Store at +4°C or at -20°C if preferred. This product should be stored undiluted. Storage in frost free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.
Guarantee	12 months from date of despatch
Health And Safety Information	Material Safety Datasheet documentation #10040 available at: 10040: https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf
Regulatory	For research purposes only

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