

Datasheet: MCA333S BATCH NUMBER 155503

Description:	CHIMERIC HUMAN IgE ANTI NP
Specificity:	CHIMERIC HUMAN IgE ANTI NP
Format:	S/N
Product Type:	Monoclonal Antibody
Clone:	JW8/1
Isotype:	lgE
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	•			1/20 - 1/100
Immunoprecipitation			•	
Western Blotting				
Functional Assays (1)				

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.

(1)This product contains sodium azide, removal by dialysis is recommended prior to use in functional assays. Dialysis cassettes <u>EQU003</u> are suitable for this purpose.

Target Species	Human	
Product Form	Tissue Culture Supernatant - liquid	
Preparation	Tissue Culture Supernatant containing 0.2M Tris/HCl pH7.4 a	nd 5-10% foetal calf serum
Buffer Solution	None present	
Preservative Stabilisers	0.09% Sodium Azide	

Immunogen	Hapten, 4-hydroxy-3-nitrophenylacetyl (NP).
RRID Fusion Partners	AB_567284
	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 <i>in vitro</i> DNA recombination procedures. The resulting chimeric 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 chimeric human IgE antibody specific for NP has been produced.
References	Neuberger, M.S. <i>et al.</i> (1984) Recombinant antibodies possessing novel effector functions. Nature, 312 (5995): 604-8.

- functions. Nature. 312 (5995): 604-8.
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and induces VEGF from human in situ -matured skin mast cells Biochimica et Biophysica Acta (BBA) - General Subjects. [Epub ahead of print].

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 #10053 available at: https://www.bio-rad-antibodies.com/SDS/MCA333S 10053		
Regulatory	For research purposes only		

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To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets 'M367580:200529'

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