

Description	Horseradish peroxidase conjugated purified monoclonal mouse antibody to tetramethylrhodamine isothiocyanate isomer R	
Product code	MA/TRITC/PO	
Biological origin	Mouse, clone NI 308	
Mouse isotype	IgG1 κ	
Physical form	Horseradish peroxidase conjugated purified mouse IgG1 κ lyophilized from a solution in phosphate buffered saline (pH 7.2).	
Immunogen	Highly purified tetramethylrhodamine isothiocyanate isomer R.	
Identity & Specificity	The reactivity of the antiserum is directed to the TRITC molecule as tested in direct binding enzyme immunoassay, ELISA and immunoblotting.	
Cross-reactivity	This antiserum has not been tested for cross-reactivity with other fluorescent compounds.	
Protein concentration	IgG concentration is 0.4 mg/ml. Peroxidase/IgG protein molar ratio (E/P) approximately 1.7. No foreign proteins added.	
Intended use	To enhance the specific signal obtained with a monoclonal antibody or a polyclonal second antibody conjugated to TRITC. The phenomenon of a weak reaction of a monoclonal antibody is e.g. well known in different analysis of vital peripheral blood mononuclear cells in suspensions by the expression of surface markers. A similar situation exists in solid phase assay systems (ELISA, blotting, DIBA) when used for the identification and /or quantitative determination of minute amounts of soluble specific antigens or antibodies. The sensitivity of the TRITC hapten-anti-hapten system makes it a valuable alternative to the biotin-avidin system. The optimum working dilution is an assay-related characteristic and should always be determined by titration. For histochemical use optimum dilutions are mostly from 1:10 to 1:40; in ELISA from 1:100 upwards; in Western blotting from 1:200 upwards. These data should be interpreted as general recommendations only.	
Handling	The lyophilized product is shipped at ambient temperature and may be stored at +4°C; prolonged storage at or below -20°C. Reconstitute the lyophilized ascites by adding 0.5 ml sterile distilled water. Dilutions may be prepared by adding phosphate buffered saline (PBS, pH 7.2). Avoid repeated thawing and freezing. If a slight precipitation occurs upon storage, this should be removed by centrifugation and will not affect the performance of the product. Diluted solutions should be stored at +4°C, not refrozen, and preferably used the same day.	
Packing	Vial with 0.5 ml lyophilized monoclonal conjugate.	
Storage / shelf life	Lyophilized at +4°C	at least 10 years
	reconstituted at or below -20°C	3-5 years
	reconstituted at +4°C	7 days
Caution	This immunoconjugate should be handled by qualified persons only and appropriate precautions should be taken in its handling and disposal, and of all associated materials. For <i>in vitro</i> research purposes only.	

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