

Description	Monoclonal mouse antiserum to human IgA2	
Product code	MAHu/IgA2	
Biological origin	Mouse, clone NI 512 (A89-038)	
Mouse isotype	IgG1 κ	
Physical form	Delipidated, heat inactivated, lyophilized, stable whole ascites	
Immunogen	Highly purified monoclonal IgA2 isolated from pooled human serum	
Identity & Specificity	The reactivity of the antiserum is restricted to a subclass specific determinant on the IgA2 molecule as tested in haemagglutination, haemagglutination inhibition, direct binding enzyme immunoassay, competitive inhibition enzyme immunoassay, immunoblotting, immunoprecipitation, latex agglutination assay and histochemistry (Results of an IUIS/WHO collaborative study, Mestecky J. et al. (1996) J. Immunol. Methods 193 , 103-148).	
Cross-reactivity	The antiserum does not react with any other component of the human Ig system or any other human plasma protein as tested. This antiserum has not been tested for cross-reactivity with other species.	
Protein concentration	IgG concentration is 1 mg/ml. No foreign proteins added.	
Intended use	To identify the presence of IgA2 in human serum, other body fluids, cell and tissue substrates and to determine its concentration in techniques as radio immuno assay, ELISA, indirect immunoperoxidase and immunofluorescence staining of cytoplasmic IgA2, haemagglutination and immunoblotting. The optimum working dilution is an assay-related characteristic and should always be determined by titration. For histochemical use optimum dilutions are mostly from 1:50 to 1:200; in ELISA from 1:500 upwards; in Western blotting from 1:1000 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 ascites should be stored at +4°C, not refrozen, and preferably used the same day.	
Packing	Vial with 0.5 ml lyophilized ascites.	
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 product 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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