Description	**Monoclonal mouse antiserum to human IgA2(m)2, allotype specific**
Product code	MAHu/IgA2(m)2
Biological origin	Mouse, clone NI 194-3 (A89-040)
Mouse isotype	IgG1κ
Physical form	Delipidated, heat inactivated, lyophilized, stable whole ascites
Immunogen	Highly purified monoclonal IgA2(m)2 isolated from human serum.
Identity & Specificity	The reactivity of the antiserum is restricted to the IgA2(m)2 molecule as tested in haemagglutination, haemagglutination inhibition, direct binding enzyme immunoassay, competitive inhibition enzyme immunoassay, immunoblotting, immuno-precipitation, 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(m)2 in human serum, other body fluids, cell and tissue substrates and to determine its concentration in techniques as radio immuno assay, ELISA, indirect immuno-peroxidase and immunofluorescence staining of cytoplasmic IgA2(m)2, 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 1:200 upwards; in Western blotting from 1:500 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 +4ºC, not refrozen, and preferably used the same day.
Packing	Vial with 0.5 ml lyophilized ascites.
Storage / shelf life	Lyophilized at +4ºC — 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 *in vitro* research purposes only.

NORDIC IMMUNOLOGICAL LABORATORIES
Langendijk 25, 5652 AX Eindhoven, The Netherlands
Tel. +31 630 070 625, Fax: +31 402 920 069
E-mail: info@nordiclabs.nl
www.nordiclabs.nl

© Nordic Immunological Laboratories 2004