Description	**Purified monoclonal mouse antibody to human IgA, isotype specific**
Product code	MAHu/IgAc/MAb
Biological origin	Mouse, clones NI 69 (A89-034) and NI 184 (A89-035)
Mouse isotype	IgG1κ
Physical form	Purified mouse IgG1κ lyophilized from a solution in phosphate buffered saline (pH 7.2)
Immunogen	Highly purified monoclonal IgA isolated from human serum.
Identity & Specificity	The reactivity of the antiserum is restricted to determinants on the C_H2 domain of IgA. It reacts with both subclasses of IgA 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 0.4mg/ml. No foreign proteins added.
Intended use	To identify the presence of IgA 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 IgA, 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 solutions should be stored at +4ºC, not refrozen, and preferably used the same day.
Packing	Vial with 0.5 ml lyophilized monoclonal antibody.
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.

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