Product Name
Monoclonal Mouse
Anti- chicken IgG (IgY) Immunoglobulin, clone MF4

CAT No.
MQ 14.104-100

Size
100 µg

POSTAL ADDRESS Pivot Park
Industrielaan 63
5349 AE Oss
The Netherlands

TELEPHONE +31 (0) 412 846 000
FAX +31 (0) 412 846 009

E-MAIL sales@modiquestresearch.com
WEBSITE www.modiquestresearch.com

Edition: February 1, 2012

Intended use
This product is for research use only. NOT for use in diagnostic or therapeutic procedures.
This product is tested for use in enzyme-linked immunosorbent assay (ELISA).

Reagent provided
The antibody is supplied in PBS, pH 7.2
Antibody concentration: 0.5 mg/ml

Isotype
Mouse IgG1

Immunogen
Polyclonal IgY (Promega, REF G1161).

Specificity
Specificity has been tested in ELISA. No cross reactivity with human IgG was detected. Additional tests for cross reactivity have not yet been performed.

Purity
Protein A purified.

Precautions
1. For professional users.
2. As with any product derived from biological sources, proper handling procedures should be used.
3. The product may be used in different techniques and in combination with different sample types and materials, therefore each individual laboratory should validate the applied test system.

Preparation of the antibody
Use antibody as supplied.

Storage instructions
Store at 2-8ºC.
For prolonged storage add sodium azide to 0.05%

Dilution guidelines
Optimum working dilutions of the product are not yet determined.
Unless the stability in the actual test system has been established, it is recommended to dilute the product immediately before use.

Relevance
Chicken IgY is specific to chickens and is the counterpart to IgG from mammals. Chickens transfer high quantities of IgY into the egg yolk and harvesting antibodies from eggs eliminates the need for the invasive bleeding procedure. One week's eggs can contain 10 times more antibodies than the volume of rabbit blood obtained from one weekly bleeding. Due to the phylogenetic distance between birds and mammals, there is greater potential of producing a higher percentage of specific antibody against mammalian antigens when using chickens [1]. Since chicken IgY does not cross-react with mammalian IgG [2] and does not bind bacterial or mammalian Fc receptors [3], non-specific binding is reduced, and the need for cross-species immunoabsorptions is also eliminated [4].

References
1. Jensenius, J.C. *et al.* (1981) *J. Immunol. Meth.* **46,** 63.
2. Ambrosius, H. and Hadge, D. (1987) *Vet. Immunol. Immunopathol.* **17,** 57.
3. Larsson, A. and Sjoquist, J. (1988) *J. Immunol. Meth.* **108,** 205.
4. Larsson, A. and Sjoquist, J. (1990) *Comp. Immun. Microbiol. Infect. Dis.* **13,** 199.

TRADE REGISTER Arnhem 09148575
V.A.T. NL 8140.81.058.B01
BANK ACCOUNT ING 5261629
IBAN NL41 INGB 0005261629
SWIFT/BIC INGBNL2A