

Anti-Rat IgG kappa (MARK-1)

Mouse Monoclonal Antibody

Cat. No.	Conjugate	Unit Size
MARK-1-P-0.1	purified	100µl
MARK-1-P-0.5	purified	500µl
MARK-1-P-1	purified	1ml
MARK-1-HRP-0.5	Peroxidase	500µl
MARK-1-HRP-1	Peroxidase	1ml
MARK-1-FITC-0.5	FITC	500µl
MARK-1-FITC-1	FITC	1ml
MARK-1-BIOT-0.5	Biotin	500µl
MARK-1-BIOT-1	Biotin	1ml

Product Information

- Supplied as:** 1 mg/ml affinity purified antibody prepared in PBS buffer, pH 7.6, with 0.09% sodium azide as preservative FITC and Biotin labelled antibodies are supplied in PBS buffer, pH 7.6, with 0.09% sodium azide and 50% glycerol.
- Origin:** Hybridoma derived by hybridization of spleen cells from immunized mice with the Sp2/O mouse myeloma cell line.
- Immunogen:** Kappa L-chain
- Clone:** MARK-1
- Host / Isotype:** Mousekappa IgG1
- Reactivity:** Rat Kappa light chain of Ig (determined by immunodot)
- Cross-Reactivity:** MARK-1 does not cross react with human IgG coated in ELISA plate. No specific binding on human platelets.
- Avidity:** on rat IgD kappa: $1 \times 10^9 \text{ M}^{-1}$
- Applications:**
- CAN BE USED IN IMMUNOAFFINITY CHROMATOGRAPHY for purification of rat Ig of the Kappa type (Solid phase Sepharose 4B CNBr act.)
 - CAPTURE ELISA: MEDIUM BINDING ON PLASTICS
 - CAN BE LABELLED WITH TRITC
 - CAN BE LABELLED WITH IODINE (4) AND ALKALINE PHOSPHATASE
 - CAN BE USED AS SECOND ANTIBODY IN IMMUNOASSAYS
 - CANNOT BE COATED ON NITROCELLULOSE (DOT-ELISPOT)
 - CAN BE USED ON CRYOSECTIONS (IMMUNOHISTOLOGY) AS FIRST ANTIBODY LABELLED WITH PEROXIDASE OR FITC
- Storage and Stability:** For longterm storage store product at -20°C.
- At 2-8°C the undiluted stock solution of the antibody is stable for a few weeks. Repeated freezing and thawing of unconjugated antibody should be avoided. It is recommended to aliquot unconjugated antibody before freezing. Labelled antibodies (Peroxidase, FITC, Biotin) contain 50% glycerol as antifreezing and remain liquid at -20°C. In this case aliquoting is not required.
- It's recommended to prepare a working dilution fresh prior to use.
- Expiry information is given on the label and / or data sheet supplied upon delivery

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Safety Information: Standard Laboratory Practices should be followed when handling this material. The chemical, physical, and toxicological properties of this material have not been thoroughly investigated. Purified, FITC, and Biotin labelled antibody contains 0.09% sodium azide (a poisonous and hazardous substance) as preservative. Although this concentration is not regarded as dangerous to health, appropriate measures should be taken to avoid skin and eye contact, inhalation, and ingestion. Peroxidase conjugate contains no hazardous constituents.

Note: This information sheet contains general product information only. For detailed lot specific information consult the label and data sheet supplied by the manufacturer upon delivery of the product.

References: Selected references of scientific publications in which MARK-1 MAb was used
Bazin H. et al. J. Immunol. Methods 1984,66:261-269
Bodeus M. et al. J. Immunol. Methods 1985,79:1-6
Khalife J. et al. J. Immunol. 1985,135:2780-2784
Bazin H., Malache J.M. J. Immunol. Meth., 1986, : 19-24
Bazin H. et al. Meth. Enzymol., 1986, 121:638-652
Manouvriez P. et al. Immunobiology 1986, 173, 308-309
Pelletier L. et al. Clin. Exp. Immunol., 1988, 71: 336-342
Castedo M. et al. Int. Immunol. 1993, 5: 1569-1576
Soares M. et al. Transplantation 1993, 56: 1427-1433
Saoudi A. et al. Int. Immunol. 1993, 5: 1559-1567
Vanhove B., Bazin H. Immunology 1993, 79: 580-586
Gmür, R. & Guggenheim, B. J. Dent. Res. 1994, 73: 1421-1428
Reding et al. Transplant Immunol. 1994, 2: 231-237
Lepault F. et al. Eur. J. Immunol. 1995, 25: 1502-1507
Scheringa M. et al., Transplantation 1995, 60: 1350-1353
Soares et al., Transplant. Proc. 1995, 27: 282-285

For more information, see:

"Rat Hybridomas and Rat Monoclonal Antibodies". H. BAZIN (Ed.). CRC Press, Boca Raton, Florida, USA, 1990, 515 pages.

This product is for In Vitro experimental use only. Not for Therapeutic or Diagnostic use.

This product is warranted to perform in conformance with the product specifications provided by the manufacturer and to be free from defects in material and workmanship. Products are supplied for research use only. The warranty provided herein is valid only when used by properly trained individuals. Unless otherwise stated, this warranty is limited to the period of stability as indicated on the label and / or data sheet at the time of delivery of the product when the product is subjected to normal, proper and intended usage. The remedy for non-conforming products is limited to replacement of or refund for the non-conforming product(s). There is no obligation to replace products as the result of accident or inappropriate use, improper storage or handling of the products.

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