

Datasheet for ABIN458295

**Goat anti-Monkey IgM (Fc Region) Antibody (Biotin)**[Go to Product page](#)

## Overview

Quantity:	1 mL
Target:	IgM
Binding Specificity:	Fc Region
Reactivity:	Monkey
Host:	Goat
Clonality:	Polyclonal
Conjugate:	Biotin
Application:	ELISA, Western Blotting (WB), Immunocytochemistry (ICC), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Dot Blot (DB)

## Product Details

Immunogen:	Purified IgM isolated from Rhesus monkey serum. Freund's complete adjuvant is used in the first step of the immunization procedure.
Specificity:	Biotin-conjugated IgG fraction of polyclonal Goat antiSerum to Monkey IgM, Fc specific.
Cross-Reactivity (Details):	The antiSerum does not cross react with any other component of the Monkey immunoglobulin system. Inter-species cross-reactivity is a normal feature of antibodies to immunoglobulins, since Ig of different species frequently share antigenic determinants. Precipitation reactions have been observed with IgM in Serum of other old-world Monkeys, including Cercopithecus, Cynomolgus and baboon. The antiSerum may also react with IgM of other species as has been observed for Chimpanzee and man.
Characteristics:	The reactivity of the antiserum is directed to the Fc subunit of the IgM molecule which

## Product Details

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expresses strict isotypic (class) specificity. It does not react with IgG, IgA and IgG/Fab or any non-Ig protein in monkey serum, as tested by immunoelectrophoresis and double radial immunodiffusion. In immunocytochemical and immunohistochemical staining of IgM at the cellular and subcellular level of appropriately treated cell and tissue substrates, to demonstrate circulating IgM antibodies in serodiagnostic microbiology and autoimmune diseases, to identify a specific antigen using a reference antibody of monkey origin known to be of the IgM isotype in the middle layer of the indirect test procedure, in non-isotopic assay methodology (e.g. ELISA) to measure IgM in monkey serum or other body fluids. As a second step an avidin or streptavidin conjugate of the user's choice has to be used. This immunoconjugate is not pre-diluted. The optimum working dilution of each conjugate should be established by titration before being used. Excess labelled antibody must be avoided because it may cause high unspecific background staining and interfere with the specific signal.

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Purification: Purified

## Target Details

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Target: IgM

Abstract: [IgM Products](#)

Target Type: Antibody

## Application Details

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Application Notes: ELISA, Immunocytochemistry, Immunohistochemistry (paraffin), Dot blot, Immunoblotting.

Restrictions: For Research Use only

## Handling

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Format: Lyophilized

Reconstitution: It is reconstituted by adding 1 mL sterile distilled water, spun down to remove insoluble particles, divided into small aliquots, frozen and stored at or below -20 °C. Biotin-coupled purified hyperimmune goat IgG lyophilized from a solution in phosphate buffered saline (PBS, pH 7.2). No preservative added, as it may interfere with the antibody activity. It is reconstituted by adding 1 mL sterile distilled water, spun down to remove insoluble particles, divided into small aliquots, frozen and stored at or below -20 °C.

Buffer: Biotin-coupled purified hyperimmune goat IgG lyophilized from a solution in phosphate buffered

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## Handling

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saline (PBS, pH 7.2). No preservative added, as it may interfere with the antibody activity.

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Preservative: Without preservative

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Storage: RT, 4 °C, -20 °C

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Storage Comment: The lyophilized conjugate is shipped at ambient temperature and may be stored at +4°C, prolonged storage at or below -20°C. Prior to use, an aliquot is thawed slowly at ambient temperature, spun down again and used to prepare working dilutions by adding sterile phosphate buffered saline (PBS, pH 7.2). Repeated thawing and freezing should be avoided. Working dilutions should be stored at +4°C, not refrozen, and preferably used the same day. If a slight precipitation occurs upon storage, this should be removed by centrifugation. It will not affect the performance of the immunoconjugate.