

Datasheet for ABIN458290

Goat anti-Monkey IgA, IgG, IgM (Fab Region) Antibody (Biotin) - Preadsorbed



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Overview

Quantity:	1 mL
Target:	IgA, IgG, IgM
Binding Specificity:	Fab Region
Reactivity:	Monkey
Host:	Goat
Clonality:	Polyclonal
Conjugate:	Biotin
Application:	ELISA, Immunohistochemistry (IHC), Immunocytochemistry (ICC)

Product Details

Immunogen:	Highly purified IgG and pools of homogenous IgA and IgM isolated from monkey serum. Freund's complete adjuvant is used in the first step of the immunization procedure.
Isotype:	IgG
Specificity:	The reactivity of the antiserum is directed to the major isotypes of the monkey immunoglobulin system (classes and both light chain types) including antibodies to common determinants, to class and to the surface determinants of the common Fab portion, as tested by immunoelectrophoresis and double radial immunodiffusion against pooled serum and purified immunoglobulins. In immunoelectrophoresis and double radial immunodiffusion using various antiserum concentrations against normal monkey plasma and serum, the characteristic IgG, IgA and IgM precipitin lines are obtained.
Characteristics:	Biotin-conjugated IgG fraction of polyclonal goat antiserum to monkey IgG, IgA and IgM, heavy

Product Details

and light chains

Biotin/IgG protein molar ratio (B/P) is approximately 7.0.

Purification: Preadsorption: Immunoaffinity adsorbed using insolubilized antigens.

Target Details

Target: IgA, IgG, IgM

Alternative Name: IgG + IgA + IgM (IgA, IgG, IgM Products)

Target Type: Antibody

Application Details

Application Notes: In immunocytochemical and immunohistochemical staining of immunoglobulins at the cellular and subcellular level of appropriately treated cell and tissue substrates, to demonstrate circulating antibodies in serodiagnostic microbiology and autoimmune diseases, to identify a specific antigen using a reference antibody of monkey origin in the middle layer of the indirect test procedure, in non-isotopic assay methodology (e.g. ELISA) to measure immunoglobulins 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. Working dilutions for histochemical and cytochemical use are usually between 1:100 and 1:500, in ELISA and comparable non-precipitating antibody-binding assays between 1:2,000 and 1:10,000.

Restrictions: For Research Use only

Handling

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 -24 °C.

Concentration: 10 mg/mL

Buffer: Biotin-coupled purified hyperimmune goat IgG lyophilized from a solution in phosphate buffered saline (PBS, pH 7.2).

Preservative: Without preservative

Handling

Handling Advice: 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.

Storage: 4 °C/-20 °C

Storage Comment: The lyophilized conjugate is shipped at ambient temperature and may be stored at +4 °C, prolonged storage at or below -24 °C.