

Datasheet for ABIN457715

## **Rabbit anti-Goat IgG (Fab Region), (Fc Region) Antibody (Biotin)**



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### Overview

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

### Product Details

Immunogen:	Purified normal IgG isolated from pooled goat 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 Fc and Fab subunits of the IgG molecule.
Characteristics:	Biotin-conjugated IgG fraction of polyclonal rabbit antiserum to goat IgG, heavy and light chains Biotin/IgG protein molar ratio (B/P) is approximately 5.2.
Purification:	No adsorption required. Hyperimmune antisera with strong precipitating activity are selected for fractionation by salt-precipitation and purification of the IgG fraction by DEAE-chromatography.

## Target Details

Target:	IgG
Abstract:	<a href="#">IgG Products</a>
Target Type:	Antibody

## Application Details

Application Notes:	<p>In immunocytochemical and immunohistochemical staining to identify and measure IgG, antigen or antibody, at the cellular and subcellular level by staining of appropriately treated cell and tissue substrates, and to demonstrate circulating antibodies in serodiagnostic microbiology and autoimmune diseases, to identify a specific antigen or immune complex using a reference antibody of goat origin in the middle layer of the indirect test procedure. As a second step an avidin or streptavidin conjugate of the user's choice has to be used. This immunoconjugate is not pre-diluted.</p> <p>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 1:1,000 and 1:10,000.</p>
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 rabbit IgG lyophilized from a solution in phosphate buffered saline (PBS, pH 7.2).
Preservative:	Without preservative
Handling Advice:	<p>Prior to use, an aliquot is thawed slowly in the dark 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</p>

Handling

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	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.