

Datasheet for ABIN457772

Rabbit anti-Guinea Pig IgG (Heavy & Light Chain) Antibody (Biotin)



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Overview

Quantity:	1 mL
Target:	IgG
Binding Specificity:	Heavy & Light Chain
Reactivity:	Guinea Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	Biotin
Application:	ELISA, Western Blotting (WB), Immunocytochemistry (ICC), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Dot Blot (DB)

Product Details

Immunogen:	Purified normal IgG isolated from pooled guinea pig serum. Freund's complete adjuvant is used in the first step of the immunization procedure.
Specificity:	Biotin-conjugated IgG fraction of polyclonal Rabbit antiSerum to Guinea Pig IgG, heavy and light chains.
Cross-Reactivity (Details):	Inter-species cross-reactivity is a normal feature of antibodies to immunoglobulins, since Ig of different species frequently share antigenic determinants. Cross-reactivity of this antiSerum has not been tested in detail, however in double radial immunodiffusion (Ouchterlony) a reaction has been observed with ferret Serum.
Characteristics:	The reactivity of the antiserum is directed to the Fc and Fab subunits of the IgG molecule. It includes a certain degree of reactivity with other immunoglobulins via the common Fab portion.

Product Details

It does not react with any non-Ig protein in guinea pig serum, as tested by immunoelectrophoresis and double radial immunodiffusion. 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 guinea pig 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. 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.

Purification:	Purified
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Target Details

Target:	IgG
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Abstract:	IgG Products
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Target Type:	Antibody
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Application Details

Application Notes:	ELISA,Immunocytochemistry,Immunohistochemistry (paraffin),Dot blot,Immunoblotting.
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Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
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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 rabbit IgG lyophilized from a solution in phosphate buffered saline (PBS, pH 7.2). No preservative added. 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.
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Buffer:	Biotin-coupled purified hyperimmune rabbit IgG lyophilized from a solution in phosphate buffered saline (PBS, pH 7.2). No preservative added.
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Handling

Preservative: Without preservative

Storage: RT, 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 -20°C. 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 immunoconjugate.