

Datasheet for ABIN457762

Goat anti-Guinea Pig IgG2 Antibody (HRP) - Preadsorbed



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Overview

Quantity:	1 mL
Target:	IgG2
Reactivity:	Guinea Pig
Host:	Goat
Clonality:	Polyclonal
Conjugate:	HRP
Application:	ELISA, Immunohistochemistry (IHC), Immunocytochemistry (ICC)

Product Details

Immunogen:	Pools of purified polyclonal IgG2 isolated from pooled guinea pig. Freund's complete adjuvant is used in the first step of the immunization procedure.
Isotype:	IgG
Specificity:	Specificity of this antiserum has not been tested in detail.
Purification:	Preadsorption: Immunoaffinity adsorbed using insolubilized antigens.

Target Details

Target:	IgG2
Abstract:	IgG2 Products
Target Type:	Antibody

Application Details

Application Notes: In enzyme-immunocytochemical and immunohistochemical staining for the detection of IgG2 at the cellular and subcellular level by staining of appropriately treated cell and tissue substrates, to demonstrate circulating IgG2 antibodies in serodiagnostic microbiology and autoimmune diseases, to identify a specific antigen using a reference antibody of guinea pig origin known to be of the IgG2 isotype in the middle layer of the indirect test procedure, in non-isotopic assay methodology (e.g. ELISA) to measure IgG2 in guinea pig serum or other body fluids. 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 1:1,000 and 1:5,000 depending on the method used.

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: 8.3 mg/mL

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

Preservative: Without preservative

Handling Advice: Use of Sodium Azide will inhibit enzyme activity of horseradish peroxidase. 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.