

Datasheet for ABIN457780

**Sheep anti-Guinea Pig IgG (Fc Region) Antibody (Biotin)**[Go to Product page](#)

## Overview

Quantity:	1 mL
Target:	IgG
Binding Specificity:	Fc Region
Reactivity:	Guinea Pig
Host:	Sheep
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 Sheep antiSerum to Guinea Pig IgG, Fc specific.
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.
Characteristics:	The reactivity of the antiserum is directed to the Fc subunit of the IgG molecule which expresses strict isotypic (class) specificity. In immunoelectrophoresis and double radial immunodiffusion using various antiserum concentrations against normal guinea pig plasma and serum, a single characteristic precipitin line is obtained which shows a reaction of identity

## Product Details

---

with the precipitin line obtained with purified IgG. It does not react with IgM, IgA and IgG/Fab or any non-Ig protein in guinea pig serum. In immunocytochemical and immunohistochemical staining of IgG at the cellular and subcellular level of appropriately treated cell and tissue substrates, to demonstrate circulating IgG 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 IgG isotype in the middle layer of the indirect test procedure, in non-isotopic assay methodology (e.g. ELISA) to measure IgG in guinea pig 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.

---

Purification: Purified

## Target Details

---

Target: IgG

Abstract: [IgG Products](#)

Target Type: Antibody

## Application Details

---

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

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 -20 °C. Biotin-coupled purified hyperimmune sheep 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 sheep IgG lyophilized from a solution in phosphate

---

## Handling

---

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

---

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 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