

Datasheet for ABIN458578

Rabbit anti-Pigeon IgG (Heavy & Light Chain) Antibody[Go to Product page](#)**1** Publication

Overview

Quantity:	1 mL
Target:	IgG
Binding Specificity:	Heavy & Light Chain
Reactivity:	Pigeon
Host:	Rabbit
Clonality:	Polyclonal
Application:	Immunoprecipitation (IP)

Product Details

Immunogen:	Purified normal IgG isolated from pooled pigeon serum. Freund's complete adjuvant is used in the first step of the immunization procedure.
Specificity:	Precipitating polyclonal Rabbit antiSerum to pigeon 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. The degree of crossreactivity depends in addition to the phylogenetic relationship also on the concentration of the reactants and the sensitivity of the assay format. Cross-reactivity of this antiSerum has not been tested in detail, however in immunoelectrophoresis a reaction with Chicken, Duck and Turkey has been observed
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. It does not react with any non-Ig protein in pigeon serum, as tested by immunoelectrophoresis and double radial immunodiffusion. In immunoelectrophoresis and double radial

Product Details

immunodiffusion to identify the presence of IgG, as secondary antibody to precipitate the immunoglobulin in normal pigeon serum, to prepare an immunoabsorbent for the production of Ig-free pigeon serum, plasma or non- Ig preparations.

Purification: Delipidated, heat inactivated, stable whole serum

Sterility: Heat-inactivated

Target Details

Target: IgG

Abstract: [IgG Products](#)

Target Type: Antibody

Application Details

Application Notes: In immunoelectrophoresis use 2 μ L or equivalent against 120 μ L antiserum. In double radial immunodiffusion (Ouchterlony) use a rosette arrangement with 10 μ L antiserum in a 3 mm diameter centre well and 2 μ L serum samples (neat and diluted) in 2 mm diameter peripheral wells.

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: It is reconstituted by adding 1 mL sterile distilled water. Delipidated, heat inactivated lyophilized stable whole serum No preservative added, as it may interfere with the antibody activity. No foreign protein added. Total protein and IgG concentration in the antiserum are comparable to those of pooled rabbit serum. No foreign proteins added. It is reconstituted by adding 1 mL sterile distilled water.

Buffer: Delipidated, heat inactivated lyophilized stable whole serum No preservative added, as it may interfere with the antibody activity. No foreign protein added. Total protein and IgG concentration in the antiserum are comparable to those of pooled rabbit serum.

Preservative: Without preservative

Storage: RT, 4 °C, -20 °C

Storage Comment: The lyophilized antiserum is shipped at ambient temperature and may be stored at +4°C,

Handling

prolonged storage at or below -20°C. Working dilutions are prepared 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 product

Publications

Product cited in: Stenzel, Dziewulska, Tykałowski, Koncicki: "The Clinical Infection with Pigeon Circovirus (PiCV) Leads to Lymphocyte B Apoptosis But Has No Effect on Lymphocyte T Subpopulation." in: **Pathogens (Basel, Switzerland)**, Vol. 9, Issue 8, (2020) ([PubMed](#)).