

Product datasheet

Anti-Rat IgG antibody ab182931

Overview

Product name	Anti-Rat IgG antibody
Description	Goat polyclonal to Rat IgG
Host species	Goat
Tested applications	Suitable for: IP
Species reactivity	Reacts with: Mouse, Rat, Human
Immunogen	Full length native protein (purified) corresponding to Rat Rat IgG.

Properties

Form	Lyophilised:Reconstitute by adding 1 ml sterile distilled water
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Purity	Whole antiserum
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab182931** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IP		1/16. In immunoelectrophoresis use 2 µl or equivalent against 120 µl antiserum. In double radial immunodiffusion (Ouchterlony) use a rosette arrangement with 10 µl antiserum in a 3 mm diameter centre well and 2 µl serum samples (neat and diluted) in 2 mm diameter peripheral wells.

Target

Relevance Immunoglobulin G (IgG), is one of the most abundant protein in human serum with normal levels

between 8-17 mg/ml in adult blood. IgG is important for our defence against microorganisms and the molecules are produced by B-lymphocytes as a part of our adaptive immune response. The IgG molecule has two separate functions; to bind to the pathogen that elicited the response and to recruit other cells and molecules to destroy the antigen. The variability of the IgG pool is generated by somatic recombination and the number of specificities in an individual at a given time point is estimated to be 10¹¹ variants.

Cellular localization

Cell Membrane

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