

Datasheet for ABIN101509

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

Overview

Quantity:	50 mg
Target:	IgG
Binding Specificity:	Heavy & Light Chain
Reactivity:	Human
Host:	Goat
Clonality:	Polyclonal
Application:	ELISA, Immunohistochemistry (IHC), Western Blotting (WB)

Product Details

Immunogen:	Immunogen: Human IgG whole molecule
Isotype:	IgG
Specificity:	IgG (H&L)
Cross-Reactivity:	Human
Characteristics:	Anti-Human IgG whole molecule antibody generated in goat detects specifically human IgG whole molecule. Anti-Human IgG is ideal for investigators involved in Serum Protein Component research. Concentration Definition: by UV absorbance at 280 nm
Purification:	Anti-HUMAN IgG (H&L) (GOAT) antibody is an IgG fraction antibody purified from monospecific antiserum by a multi-step process which includes delipidation, salt fractionation and ion exchange chromatography followed by extensive dialysis against the buffer stated above. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Goat Serum,

Product Details

Human IgG and Human Serum.

Target Details

Target: IgG

Abstract: [IgG Products](#)

Target Type: Antibody

Background: Synonyms: goat anti-human IgG, Anti-Human Ab, Human Secondary Antibody, Goat Anti-Human, Human Antibody in Human

Background: Anti-Human IgG (H&L) generated in goat detects human Immunoglobulin G (IgG), both heavy and light chains of the antibody molecule are present. It is a protein complex composed of four peptide chains - two identical heavy chains and two identical light chains arranged in a Y-shape typical of antibody monomers. Each IgG has two antigen binding sites. Representing approximately 75 % of serum immunoglobulins in humans, IgG is the most abundant antibody isotype found in the circulation. IgG molecules are synthesized and secreted by plasma B cells. Secondary Antibodies are available in a variety of formats and conjugate types. When choosing a secondary antibody product, consideration must be given to species and immunoglobulin specificity, conjugate type, fragment and chain specificity, level of cross-reactivity, and host-species source and fragment composition.

Application Details

Application Notes: Immunohistochemistry Dilution: 1:1,000 - 1:5,000

Application Note: Suitable for immunoblotting (western or dot blot), ELISA, immunoelectron microscopy and immunohistochemistry as well as other antibody based enzymatic assays requiring lot-to-lot consistency. Specific conditions should be optimized by researcher.

ELISA Dilution: 1:20,000 - 1:100,000

Western Blot Dilution: 1:2,000 - 1:10,000

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Reconstitution Volume: 5.0 mL

Reconstitution Buffer: Restore with deionized water (or equivalent)

Handling

Concentration: 10 mg/mL

Buffer: Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2

Storage: RT, 4 °C, -20 °C

Expiry Date: 12 months

Publications

Product cited in: Bobo, Phelan, Rebhahn, Piepenbrink, Zheng, Mosmann, Kobie, DeLouise: "Microbubble array diffusion assay for the detection of cell secreted factors." in: **Lab on a chip**, Vol. 14, Issue 18, pp. 3640-50, (2015) ([PubMed](#)).