



[Go to Product page](#)

Datasheet for ABIN101010

Goat anti-Chicken IgG (Heavy & Light Chain) Antibody (HRP)

2 Images

Overview

Quantity:	2 mg
Target:	IgG
Binding Specificity:	Heavy & Light Chain
Reactivity:	Chicken
Host:	Goat
Clonality:	Polyclonal
Conjugate:	HRP
Application:	ELISA, Western Blotting (WB)

Product Details

Immunogen:	Anti-Chicken IgG was produced by repeated immunization with Chicken IgG whole molecule in goat.
Isotype:	IgG
Specificity:	IgG (H&L)
Characteristics:	Anti-Chicken IgG antibody generated in goat detects specifically chicken IgG. This secondary antibody anti-Chicken is ideal for investigators who routinely perform ELISA, Sandwich ELISA, titration assays, western-blot, immunoprecipitation and more generally immunoassays. Concentration Definition: by UV absorbance at 280 nm

Target Details

Target:	IgG
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Target Details

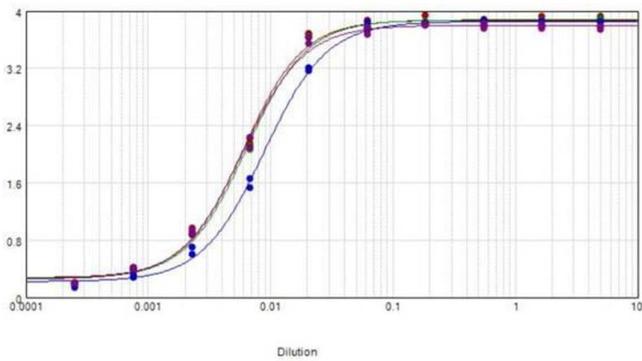
Abstract:	IgG Products
Target Type:	Antibody
Background:	Synonyms: Chicken Antibody, Gt-a-Chicken IgG, Chicken Antibody in Goat, Chicken Secondary Antibody

Application Details

Application Notes:	Anti-Chicken IgG (H&L) is suitable for use in immunoelectrophoresis, western-blot, competitive western-blot, ELISA and competitive ELISA assays. Specific conditions for reactivity and signal detection should be optimized by the end user.
Restrictions:	For Research Use only

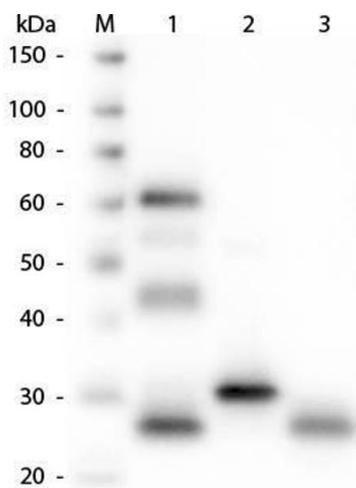
Handling

Format:	Lyophilized
Reconstitution:	Restore with deionized water (or equivalent)
Concentration:	2.0 mg/mL
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	Gentamicin sulfate
Handling Advice:	Do NOT add Sodium Azide! Use of Sodium Azide will inhibit enzyme activity of horseradish peroxidase.
Storage:	4 °C



ELISA

Image 1. ELISA results of purified Goat Anti-CHICKEN IgG Peroxidase Conjugated Antibody tested against purified Chicken IgG. Each well was coated in duplicate with 1.0 µg of Chicken IgG (red line). The starting dilution of antibody was 5µg/ml and the X-axis represents the Log10 of a 3-fold dilution. This titration is a 4-parameter curve fit where the IC50 is defined as the titer of the antibody. Assay performed using TMB-1000 substrate.



Western Blotting

Image 2. Western Blot of Anti-Chicken IgG (H&L) (GOAT) Antibody . Lane M: 3 µl Molecular Ladder. Lane 1: Chicken IgG whole molecule . Lane 2: Chicken IgG F(c) Fragment . Lane 3: Chicken IgG Fab Fragment . All samples were reduced. Load: 50 ng per lane. Block: ABIN925618 for 30 min at RT. Primary Antibody: Anti-Chicken IgG (H&L) (GOAT) Antibody 1:1,000 for 60 min at RT. Secondary antibody: Anti-Goat IgG (DONKEY) Peroxidase Conjugated Antibody 1:40,000 in ABIN925618 for 30 min at RT. Predicted/Obsevered Size: 25 and 72 kDa for Chicken IgG, 25 kDa for F(c) and Fab. Chicken F(c) migrates slightly higher.