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Datasheet for ABIN101517

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

### 2 Images

#### Overview

Quantity:	2 mg
Target:	IgG
Binding Specificity:	Heavy & Light Chain
Reactivity:	Human
Host:	Goat
Clonality:	Polyclonal
Conjugate:	HRP
Application:	ELISA, Immunohistochemistry (IHC), Western Blotting (WB), Dot Blot (DB), Immunoelectron Microscopy (IEM)

#### Product Details

Immunogen:	Anti-Human IgG was produced by repeated immunization with human IgG whole molecule in goat.
Isotype:	IgG
Specificity:	IgG (H&L)
Characteristics:	<p>Anti-Human IgG (H&amp;L) peroxidase conjugated antibody generated in goat detects specifically human IgG. This secondary peroxidase conjugated antibody anti-Human is ideal for investigators who routinely perform titration assays, western-blot, immunoprecipitation and more generally immunoassays.</p> <p>Concentration Definition: by UV absorbance at 280 nm</p>

## Target Details

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Target:	IgG
Abstract:	<a href="#">IgG Products</a>
Target Type:	Antibody
Background:	Synonyms: Human IgG (H&L) Antibody, Gt-a-Human (H&L) Peroxidase conjugated, Human (H&L) Peroxidase Antibody in goat, Goat (H&L) peroxidase conjugated Secondary Antibody.

## Application Details

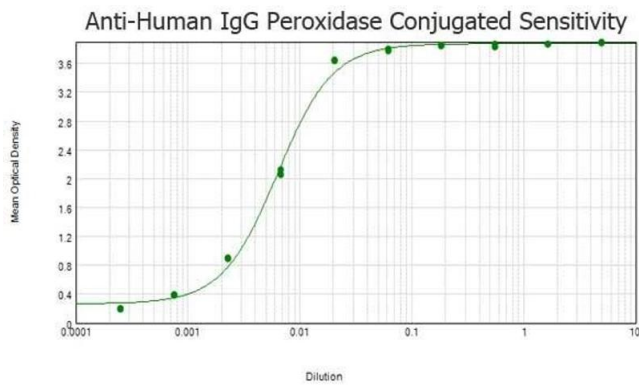
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Application Notes:	Anti-Human IgG (H&L) peroxidase conjugated antibody is suitable for immunoblotting (western or dot blot), ELISA, immunoperoxidase electron microscopy and immunohistochemistry as well as other peroxidase-antibody based enzymatic assays requiring lot-to-lot consistency.
Restrictions:	For Research Use only

## Handling

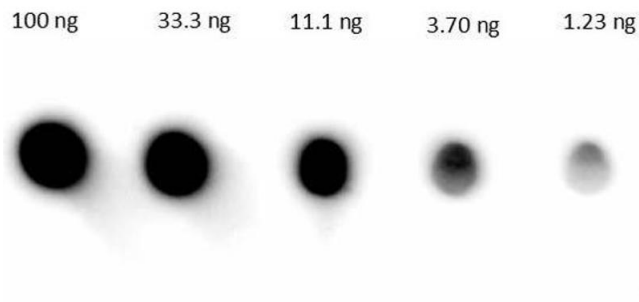
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Format:	Lyophilized
Reconstitution:	Restore with deionized water (or equivalent)
Concentration:	2.0 mg/mL
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	Gentamicin sulfate
Handling Advice:	Do NOT add Sodium Azide!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



### ELISA

**Image 1.** ELISA results of purified Goat anti-Human IgG Antibody Peroxidase conjugated tested against BSA-conjugated peptide of immunizing peptide. Each well was coated in duplicate with 1.0 µg of Human IgG . 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 3% fish gelatin as blocking buffer and TMB substrate p/n TMBE-1000.



### Dot Blot

**Image 2.** Dot Blot of Goat Anti-Human IgG HRP Antibody. Lane 1: 100ng. Lane 2: 33.3ng. Lane 3: 11.1ng. Lane 4: 3.7ng. Lane 5: 1.23ng. Secondary Antibody: HRP Gt-a-Hu IgG 1:1,000. Blocking Buffer: BlockOut Mb-073 for 1 hour RT.