

Datasheet for ABIN101517

Goat anti-Human IgG (Heavy & Light Chain) Antibody (HRP)[Go to Product page](#)**2** Images

Overview

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|----------------------|--|
| 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

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| Immunogen: | Anti-Human IgG was produced by repeated immunization with human IgG whole molecule in goat. |
| Isotype: | IgG |
| Specificity: | IgG (H&L) |
| Characteristics: | Anti-Human IgG (H&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. Concentration Definition: by UV absorbance at 280 nm |

Target Details

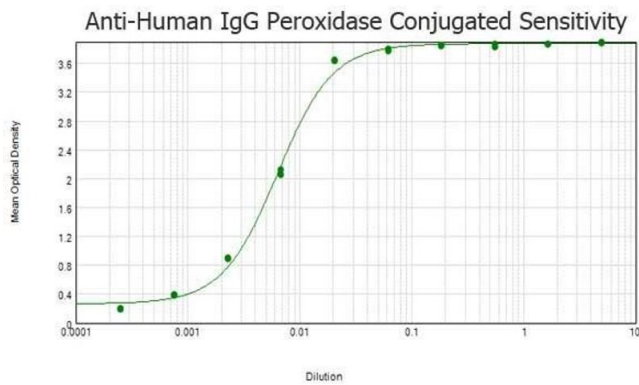
| | |
|--------------|---|
| Target: | IgG |
| Abstract: | IgG Products |
| Target Type: | Antibody |
| Background: | Synonyms: Human IgG (H&L) Antibody, Gt-a-Human (H&L) Peroxidase conjugated, Human (H&L) Peroxidase Antibody in goat, Goat (H&L) peroxidase conjugated Secondary Antibody. |

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 |

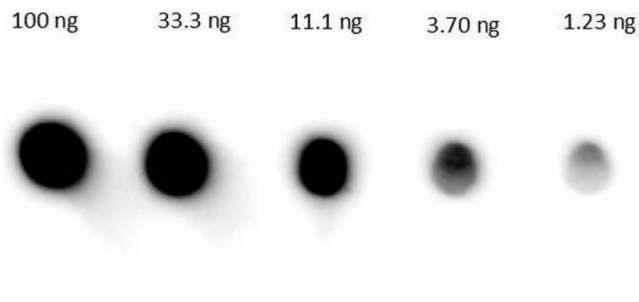
Handling

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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.