



Datasheet for ABIN1043951

Donkey anti-Guinea Pig IgG (Heavy & Light Chain) Antibody - Preadsorbed



[Go to Product page](#)

1 Image

Overview

| | |
|----------------------|------------------------------|
| Quantity: | 1 mg |
| Target: | IgG |
| Binding Specificity: | Heavy & Light Chain |
| Reactivity: | Guinea Pig |
| Host: | Donkey |
| Clonality: | Polyclonal |
| Application: | ELISA, Western Blotting (WB) |

Product Details

| | |
|-------------------|--|
| Immunogen: | Immunogen: Guinea Pig IgG whole molecule |
| Isotype: | IgG |
| Specificity: | Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Donkey Serum, Guinea Pig IgG and Guinea Pig Serum. |
| Cross-Reactivity: | Guinea Pig |
| Purification: | Preadsorption: immunoaffinity chromatography using Guinea Pig IgG coupled to agarose beads |
| Sterility: | Sterile filtered |

Target Details

| | |
|---------|-----|
| Target: | IgG |
|---------|-----|

Target Details

Abstract: [IgG Products](#)

Target Type: Antibody

Background: Synonyms: Donkey Anti-Guinea Pig IgG (H&L) Antibody Pre-Adsorbed, Donkey Anti Guinea Pig IgG

Background: Anti-Guinea Pig IgG Antibody generated in donkey detects guinea pig IgG. Secreted as part of the adaptive immune response by plasma B cells, immunoglobulin G constitutes 75 % of serum immunoglobulins. Immunoglobulin G binds to viruses, bacteria, as well as fungi and facilitates their destruction or neutralization via agglutination (and thereby immobilizing them), activation of the compliment cascade, and opsinization for phagocytosis. The whole IgG molecule possesses both the F(c) region, recognized by high-affinity Fc receptor proteins, as well as the F(ab) region possessing the epitope-recognition site. Both heavy and light chains of the antibody molecule are present. 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: Application Note: Anti-Guinea Pig IgG antibody is suitable for ELISA, western blot, and immunohistochemistry, as well as other assays requiring lot-to-lot consistency.

ELISA Dilution: 1:25,000 - 1:75,000

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

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/mL

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

Stabilizer: None

Preservative: None

Preservative: Without preservative

Handling Advice: Centrifuge product if not completely clear after standing at room temperature.

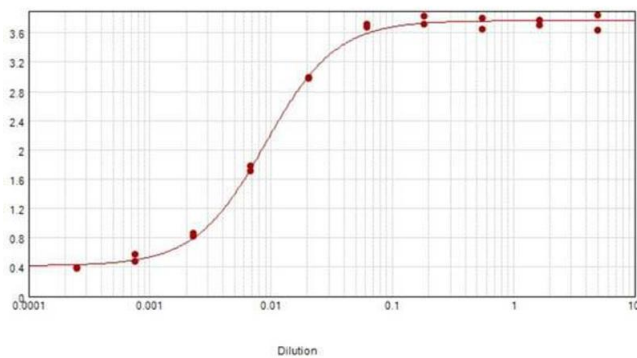
Handling

Storage: RT, 4 °C, -20 °C

Storage Comment: Store vial at 4 °C prior to restoration. For extended storage aliquot contents and freeze at -24 °C or below. This product is stable for several weeks at 4 °C as an undiluted liquid.

Expiry Date: 12 months

Images



ELISA

Image 1. ELISA results of purified Donkey Anti-Guinea Pig IgG Antibody Min X10 Serums tested against purified Guinea Pig IgG. Each well was coated in duplicate with 1.0 µg of Guinea Pig IgG. The starting dilution of antibody was 5 µg/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 Blocking buffer MB-060-1000, Gt-a-Dky IgG HRP conjugate 616-1302, and TMB-1000 substrate.