



Anti-GUINEA PIG IgG (H&L) (RABBIT) Antibody Biotin Conjugated - 606-4602

Code: 606-4602

Size: 2 mg

Product Description: Anti-GUINEA PIG IgG (H&L) (RABBIT) Antibody Biotin Conjugated - 606-4602

Concentration: 2.0 mg/mL by UV absorbance at 280 nm

PhysicalState: Lyophilized

Label	Biotin
Host	Rabbit
Buffer	0.01 M Sodium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Reconstitution Volume	1.0 mL
Reconstitution Buffer	Restore with deionized water (or equivalent)
Stabilizer	10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free
Preservative	0.01% (w/v) Sodium Azide
Storage Condition	Store vial at 4° C prior to restoration. For extended storage aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Synonyms	rabbit Anti-Guinea Pig IgG Antibody biotin Conjugation, rabbit Anti-Guinea Pig IgG biotin Conjugated antibody
Application Note	Anti-Guinea Pig IgG Antibody has been assayed against 1.0 ug of Guinea Pig IgG in a standard capture ELISA using Peroxidase Conjugated Streptavidin #S000-03 and ABTS (2,2'-azino-bis-[3-ethylbenthiiazoline-6-sulfonic acid]) code # ABTS-100 as a substrate for 30 minutes at room temperature. A working dilution of 1:15,000 to 1:60,000 of the reconstitution concentration is suggested for Anti-Guinea Pig IgG Antibody.
Background	Anti-Guinea Pig IgG Biotin Antibody generated in rabbit 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. Anti-Guinea Pig IgG Antibody is ideal for investigators in Cancer, Immunology, and Microbiology research.
Purity And Specificity	Anti-Guinea Pig IgG (H&L) antibody was prepared from monospecific antiserum by immunoaffinity chromatography using Guinea Pig IgG coupled to agarose beads followed by solid phase adsorption(s) to remove any unwanted reactivities. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-biotin, anti-Rabbit Serum, Guinea Pig IgG and Guinea Pig Serum.
Assay Dilutions	User Optimized
ELISA	1240,000
Western Blot	1:2,000 - 1:10,000
Immunohistochemistry	1:1,000 - 1:5,000
Other Assays	User Optimized
Expiration	Expiration date is one (1) year from date of opening.
Immunogen	Guinea Pig IgG whole molecule
General Reference	Janeway, Jr., Travers, Walport, and Shlomchik. "The Immune System in Health and Disease." Immunobiology, 5th Edition: Garland Science: 2001.

Related Products

606-1503 Anti-GUINEA PIG IgG F(c) (GOAT) Antibody Alkaline Phosphatase Conjugated - 606-1503

606-4602	Anti-GUINEA PIG IgG (H&L) (RABBIT) Antibody Biotin Conjugated - 606-4602
606-4603	Anti-GUINEA PIG IgG F(c) (RABBIT) Antibody Biotin Conjugated - 606-4603
606-4604	Anti-GUINEA PIG IgG F(ab') ₂ (RABBIT) Antibody Biotin Conjugated - 606-4604

Disclaimer

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