

Anti-GUINEA PIG IgG (H&L) (GOAT) Antibody Alkaline Phosphatase Conjugated - 606-1502
Code: 606-1502

Size: 1 mg

Product Description: Anti-GUINEA PIG IgG (H&L) (GOAT) Antibody Alkaline Phosphatase Conjugated - 606-1502

Concentration: 1.0 mg/mL by UV absorbance at 280 nm

PhysicalState: Liquid (sterile filtered)

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| Label | Alkaline Phosphatase (Calf Intestine) |
| Host | Goat |
| Buffer | 0.05 M Tris Chloride, 0.15M Sodium Chloride, 0.001M Magnesium Chloride, 0.0001M Zinc Chloride, 50% (v/v) Glycerol; pH 8.0 |
| Stabilizer | 10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free |
| Preservative | 0.1% (w/v) Sodium Azide |
| Storage Condition | Store vial at 4° C before opening. DO NOT FREEZE. This product is stable at 4° C as an undiluted liquid. Dilute only prior to immediate use. Freezing alkaline phosphatase conjugates will result in a substantial loss of enzymatic activity. |
| Synonyms | goat Anti-Guinea Pig IgG Antibody alkaline phosphatase Conjugation, goat Anti-Guinea Pig IgG alk phos Conjugated antibody |
| Application Note | Anti-Guinea Pig IgG Alk Phos conjugate is suitable for immunoblotting (western or dot blot), ELISA, immunoelectron microscopy and immunohistochemistry as well as other antibody-based enzymatic assays requiring lot-to-lot consistency. |
| Background | Anti-Guinea Pig IgG Alkaline Phosphatase Antibody generated in goat 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. |
| Purity And Specificity | This product 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-Alkaline Phosphatase (calf intestine), anti-Goat Serum, Guinea Pig IgG and Guinea Pig Serum. |
| Assay Dilutions | User Optimized |
| ELISA | 1:2,000 - 1:10,000 |
| Western Blot | 1:500 - 1:2,000 |
| Immunohistochemistry | 1:200 - 1:1,000 |
| Other Assays | User Optimized |
| Expiration | Expiration date is one (1) year from date of opening. |
| Immunogen | Guinea Pig IgG whole molecule |

Related Products

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| 610-4302 | Anti-MOUSE IgG (H&L) (RABBIT) Antibody Peroxidase Conjugated - 610-4302 |
| 611-1302 | Anti-RABBIT IgG (H&L) (GOAT) Antibody Peroxidase Conjugated - 611-1302 |
| B304 | NORMAL GOAT SERUM (NGS) - B304 |
| BSA-50 | BOVINE SERUM ALBUMIN - Fraction V (Immunoglobulin and Protease Free) - BSA-50 |

Disclaimer

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