



## Anti-ARMENIAN HAMSTER IgG (H&L) (GOAT) Antibody Peroxidase Conjugated - 619-103-002

**Code:** 619-103-002

**Size:** 1 mg

**Product Description:** Anti-ARMENIAN HAMSTER IgG (H&L) (GOAT) Antibody Peroxidase Conjugated - 619-103-002

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

**PhysicalState:** Lyophilized

<b>Label</b>	Peroxidase (Horseradish)
<b>Host</b>	Goat
<b>Species Reactivity</b>	Armenian Hamster
<b>Buffer</b>	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
<b>Reconstitution Volume</b>	1.0 mL
<b>Reconstitution Buffer</b>	Restore with deionized water (or equivalent)
<b>Stabilizer</b>	10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free
<b>Preservative</b>	0.01% (w/v) Gentamicin Sulfate. Do NOT add Sodium Azide!
<b>Storage Condition</b>	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.
<b>Synonyms</b>	goat anti-Armenian Hamster IgG Antibody peroxidase Conjugation, goat anti-Armenian Hamster IgG peroxidase Conjugated Antibody, goat Anti-Hamster IgG HRP Conjugated Secondary Antibody, goat anti-Hamster IgG Antibody peroxidase Conjugation, goat anti-Hamster IgG peroxidase Conjugated Antibody
<b>Application Note</b>	Anti-Hamster IgG HRP Secondary Antibody is designed for Western Blotting, ELISA and Immunohistochemistry. HRP conjugated secondary antibodies can also be used for a variety of other applications such as Assay Development.
<b>Background</b>	Anti-Armenian Hamster IgG Peroxidase Antibody generated in goat detects Armenian Hamster 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 complement cascade, and opsonization 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.
<b>Purity And Specificity</b>	This product was prepared from monospecific antiserum by immunoaffinity chromatography using Armenian Hamster IgG coupled to agarose. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Peroxidase, anti-Goat Serum, Armenian Hamster IgG and Armenian Hamster Serum. Greatly diminished reactivity will occur against Golden Syrian Hamster IgG.
<b>Assay Dilutions</b>	User Optimized
<b>ELISA</b>	1:150,000 - 1:250,000
<b>Western Blot</b>	1:1,000 - 1:5,000
<b>Immunohistochemistry</b>	1:1,000 - 1:5,000
<b>Other Assays</b>	User Optimized
<b>Expiration</b>	Expiration date is one (1) year from date of opening.
<b>Immunogen</b>	Armenian Hamster IgG whole molecule
<b>Related Products</b>	

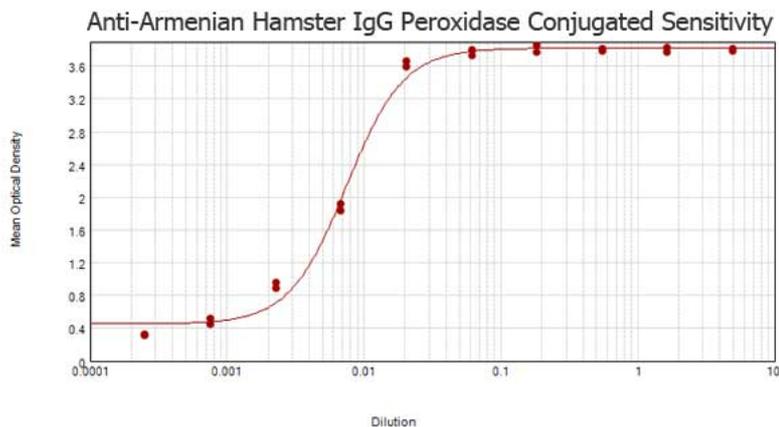
610-4302      Anti-MOUSE IgG (H&L) (RABBIT) Antibody Peroxidase Conjugated - 610-4302

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

## Images

1

ELISA results of purified Goat anti-Armenian Hamster IgG Antibody tested against purified Armenian Hamster IgG. Each well was coated in duplicate with 1.0 µg of Armenian Hamster IgG (p/n 019-001-002). The starting dilution of antibody was 5µg/ml and the X-axis represents the Log<sub>10</sub> of a 3-fold dilution. This titration is a 4-parameter curve fit where the IC<sub>50</sub> is defined as the titer of the antibody. Assay performed using 3% fish gelatin as blocking buffer and TMB substrate p/n TMBE-1000.



## Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.