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www.rockland.com
tech@rockland.com
+1 484.791.3823

Datasheet for 619-103-002

Armenian Hamster IgG (H&L) (GOAT) Secondary Antibody Peroxidase Conjugated

Overview

Description:	Goat Anti-Armenian Hamster IgG (H&L) Antibody Peroxidase Conjugated - 619-103-002
Item No.:	619-103-002
Size:	1 mg
Applications:	ELISA
Reactivity:	Armenian Hamster
Host Species:	Goat

Product Details

Background:	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 compliment 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.
Synonyms:	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
Host Species:	Goat
Specificity:	IgG (H&L)
Conjugate:	Peroxidase (HRP)
Clonality:	Polyclonal
Format:	IgG

F/P Ratio:	0.396

Target Details

Reactivity:	Armenian Hamster
Immunogen:	Armenian Hamster IgG whole molecule
Purity/Specificity:	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.

Application Details

Tested Applications:	ELISA
Application Note:	Anti-Hamster IgG HRP Secondary Antibody has been tested by ELISA and 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.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:150,000 - 1:250,000
IHC:	1:1,000 - 1:5,000
WB:	1:1,000 - 1:5,000

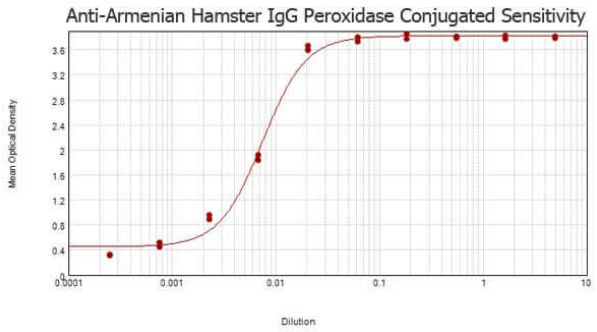
Formulation

Physical State:	Lyophilized
Concentration:	1 mg/mL by UV absorbance at 280 nm
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	0.01% (w/v) Gentamicin Sulfate. Do NOT add Sodium Azide!
Stabilizer:	10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free
Reconstitution Volume:	1.0 mL
Reconstitution Buffer:	Restore with deionized water (or equivalent)

Shipping & Handling

Shipping Condition:	Ambient
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.
Expiration:	Expiration date is one (1) year from date of receipt.

Images



ELISA
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 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.

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