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Datasheet for 619-101-002

Armenian Hamster IgG (H&L) Antibody

Overview

Description:	Goat Anti-Armenian Hamster IgG (H&L) Antibody - 619-101-002
Item No.:	619-101-002
Size:	2 mg
Applications:	ELISA, FC
Reactivity:	Armenian Hamster
Host Species:	Goat

Product Details

Background:	Anti-Armenian Hamster IgG 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, goat anti-Hamster IgG Antibody
Host Species:	Goat
Specificity:	IgG (H&L)
Clonality:	Polyclonal
Format:	IgG

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 beads followed by solid phase adsorption(s) to remove any unwanted reactivities. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Goat Serum, Armenian Hamster IgG and Armenian Hamster Serum. Reactivity with Golden Syrian Hamster IgG is greatly reduced.

Application Details

Tested Applications:	ELISA
Suggested Applications:	FC (Based on references)
Application Note:	Anti-Armenian Hamster IgG Antibody has been tested by ELISA and is suitable for immunoprecipitation, immunodiffusion, conjugation and most immunological methods requiring lot-to-lot consistency, high titer and specificity.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ChIP:	User Optimized
ELISA:	1:20,000 - 1:40,000
IHC:	1:1,000 - 1:5,000
IP:	User Optimized
WB:	1:2,000 - 1:10,000

Formulation

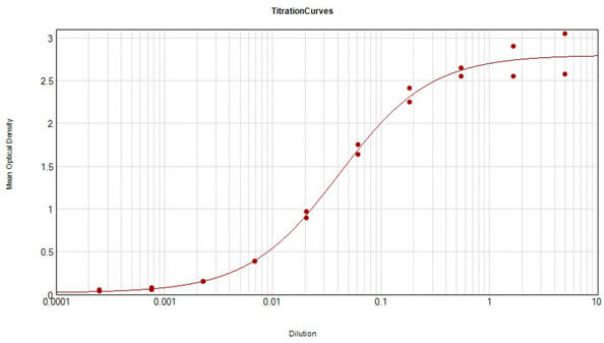
Physical State:	Liquid (sterile filtered)
Concentration:	2.09 mg/mL by UV absorbance at 280 nm
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	0.01% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

Shipping Condition:	Wet Ice

Storage Condition:	Store vial at 4° C prior to opening. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use. For extended storage aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing.
Expiration:	Expiration date is one (1) year from date of receipt.

Images



ELISA
ELISA Results of 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 working dilution is 1:21,000. 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 HRP Conjugate Substrate (p/n MB-076), Donkey Anti-Goat IgG HRP conjugated (p/n 605-703-125), and TMB substrate (p/n TMBE-1000).

References

- Kochl R et al. WNK1 kinase balances T cell adhesion versus migration in vivo. *Nat Immunol.* (2016)

Disclaimer

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