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Datasheet for 605-701-002

Goat IgG (H&L) Antibody

Overview

Description:	Donkey Anti-Goat IgG (H&L) Antibody - 605-701-002
Item No.:	605-701-002
Size:	2 mg
Applications:	ELISA, WB
Reactivity:	Goat
Host Species:	Donkey

Product Details

Background:	Anti-Goat IgG Antibody generated in donkey detects goat 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.
Synonyms:	Donkey anti-Goat IgG Antibody, Donkey anti Goat IgG Antibody
Host Species:	Donkey
Specificity:	IgG (H&L)
Clonality:	Polyclonal
Format:	IgG

Target Details

Reactivity:	Goat
Immunogen Type:	Native Protein
Immunogen:	Anti-Goat IgG (H&L) was produced by repeated immunization with goat IgG whole molecule in donkey

Purity/Specificity:	This product was prepared from monospecific antiserum by immunoaffinity chromatography using Goat 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-Donkey Serum, Goat IgG and Goat Serum.

Application Details

Tested Applications:	ELISA, WB
Application Note:	Antibody Anti-Goat IgG (H&L) has been tested by ELISA and western blot. This antibody 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.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:23,400-1:43,400
IHC:	1:1,000 - 1:5,000
WB:	1:2,000 - 1:10,000

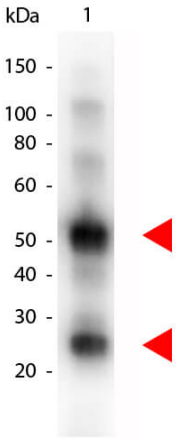
Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	2.0 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



Western Blot

Western Blot of Donkey anti-Goat IgG antibody. Lane 1: Goat IgG (p/n 005-0102). Lane 2: none. Load: 50 ng per lane. Primary antibody: Goat IgG antibody at 1:1000 for overnight at 4°C. Secondary antibody: Peroxidase donkey secondary antibody at 1:40,000 for 30 min at RT. Block: MB-070 for 30 min at RT. Predicted/Observed size: 28 and 55 kDa for Goat IgG. Other band(s): none.

Disclaimer

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