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Datasheet for 603-703-C37

Chicken IgG (H&L) Antibody Peroxidase Conjugated Pre-Adsorbed

Overview

Description:	Donkey Anti-Chicken IgG (H&L) Antibody Peroxidase Conjugated (Min X Bv Gt GP Ham Hs Hu Ms Rb Rt & Sh Serum Proteins) - 603-703-C37
Item No.:	603-703-C37
Size:	1 mg
Applications:	ELISA
Reactivity:	Chicken
Host Species:	Donkey

Product Details

Background:	Anti-Chicken IgG Peroxidase Antibody generated in donkey detects chicken IgY. 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-Chicken IgG Antibody Peroxidase Conjugation, Donkey anti-Chicken IgG HRP Conjugated Antibody, Donkey anti-Chicken IgY Antibody Peroxidase Conjugation, Donkey anti-Chicken IgY HRP
Host Species:	Donkey
Specificity:	IgG (H&L)
Conjugate:	Peroxidase (HRP)
Clonality:	Polyclonal
Format:	IgG

Target Details

Reactivity:	Chicken

Immunogen:	Chicken IgG whole molecule
Purity/Specificity:	This product was prepared from monospecific antiserum by immunoaffinity chromatography using Chicken IgG coupled to agarose beads followed by conjugation and extensive dialysis against the buffer stated above. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-peroxidase, anti-Donkey Serum, Chicken IgG and Chicken Serum. No reaction was observed against Bovine, Goat, Guinea Pig, Hamster, Horse, Human, Mouse, Rabbit, Rat and Sheep Serum Proteins. This antibody will react with heavy chains of Chicken IgG and with light chains of most Chicken immunoglobulins.

Application Details

Tested Applications:	ELISA
Application Note:	Anti-Chicken IgG (H&L) Peroxidase has been tested by ELISA and is suitable for use in immunoelectrophoresis, western-blot, competitive western-blot, ELISA and competitive ELISA assays. Specific conditions for reactivity and signal detection should be optimized by the end user.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:65,000
IHC:	1:500 - 1:2,500
WB:	1:1,000 - 1:5,000

Formulation

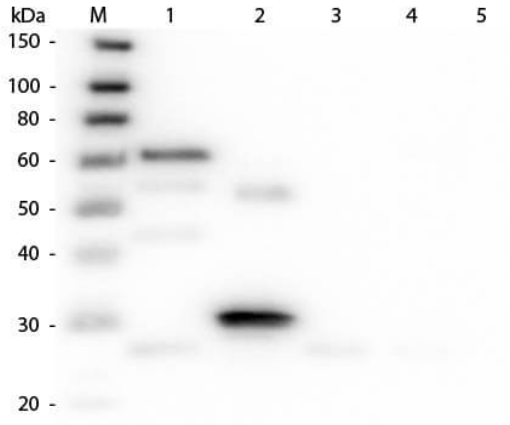
Physical State:	Lyophilized
Concentration:	1.0 mg/mL by UV absorbance at 280 nm
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	0.01% (w/v) Gentamicin Sulfate. Do NOT add Sodium Azide!
Stabilizer:	10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free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



Western Blot
Western Blot of Unconjugated Anti-Chicken IgG (H&L) (DONKEY) Antibody (Min X Bv Gt GP Ham Hs Hu Ms Rb Rt & Sh Serum Proteins) (p/n 603-701-C37). Lane M: 3 µl Molecular Ladder. Lane 1: Chicken IgG whole molecule (p/n 003-0102). Lane 2: Chicken IgG F(c) Fragment (p/n 003-0103). Lane 3: Chicken IgG Fab Fragment (p/n 003-0105). Lane 4: Chicken IgM Whole Molecule (p/n 003-0107). Lane 5: Chicken Serum (p/n D302-05). All samples were reduced. Load: 50 ng per lane. Block: MB-070 for 30 min at RT. Primary Antibody: Anti-Chicken IgG (H&L) (DONKEY) Antibody (Min X Bv Gt GP Ham Hs Hu Ms Rb Rt & Sh Serum Proteins) (p/n 603-701-C37) 1:3,000 for 60 min at RT. Secondary antibody: Anti-Donkey IgG (GOAT) Peroxidase Conjugated Antibody (p/n 616-1302) 1:40,000 in MB-070 for 30 min at RT. Predicted/Observed Size: 25 and 72 kDa for Chicken IgY and Serum, 25 kDa for F(c) and Fab, 75 kDa for IgM. Chicken F(c) migrates slightly higher.

Disclaimer

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