

Datasheet for 613-4628

Sheep IgG (H&L) Secondary Antibody Biotin Conjugated Pre-Adsorbed

Overview

Description:	Rabbit Anti-Sheep IgG (H&L) Antibody Biotin Conjugated (Min X Human Serum Proteins) - 613-4628
Item No.:	613-4628
Size:	1 mg
Applications:	Dot Blot, ELISA
Reactivity:	Sheep
Host Species:	Rabbit

Product Details

Background:	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. Secondary antibody conjugated to biotin is available in a variety of formats.
Synonyms:	Rabbit Anti-Sheep IgG biotin Conjugated Antibody, Rabbit Anti-Sheep IgG Antibody biotin Conjugation
Host Species:	Rabbit
Specificity:	IgG (H&L)
Conjugate:	Biotin
Clonality:	Polyclonal
Format:	IgG
F/P Ratio:	10-20

Target Details

Reactivity:	Sheep
Immunogen:	Sheep IgG whole molecule

Purity/Specificity:	Secondary antibody was prepared from monospecific antiserum by immunoaffinity chromatography using Sheep 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-biotin, anti-Rabbit Serum, Sheep IgG and Sheep Serum. No reaction was observed against Human Serum Proteins.
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Application Details

Tested Applications:	Dot Blot, ELISA
Application Note:	Anti-Sheep IgG Biotin Conjugated Antibody has been tested by ELISA and Dot Blot and is suitable for western blot, ELISA and immunohistochemistry as well as other antibody based 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:	1:20,000 - 1:100,000
IHC:	1:1,000 - 1:5,000
WB:	1:2,000 - 1:10,000

Formulation

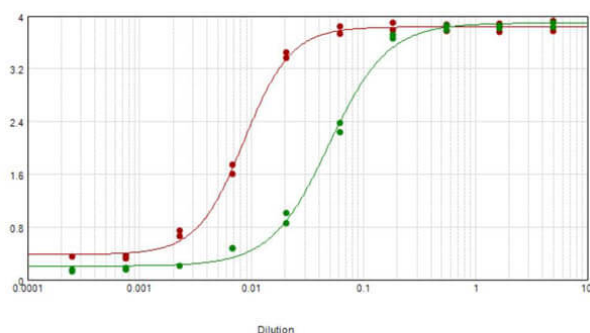
Physical State:	Lyophilized
Concentration:	1.0 mg/mL by UV absorbance at 280 nm
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	0.01% (w/v) Sodium Azide
Stabilizer:	10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free
Reconstitution Volume:	1.0 mL
Reconstitution Buffer:	Restore with deionized water (or equivalent)

Shipping & Handling

Shipping Condition:	Ambient
Storage Condition:	Store secondary antibody at 4° C prior to restoration. For extended storage aliquot antibody 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 Rabbit anti-Sheep IgG biotin conjugated antibody Min X human serum tested against purified Sheep IgG. Each well was coated in duplicate with 1.0 µg of sheep IgG (red line). 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 Blocking buffer MB-060-1000, Streptavidin HRP conjugate 1:10, 000, and TMB-1000 substrate.

Dot Blot

Dot Bot of Rabbit Anti-Sheep IgG Biotin Conjugated Antibody Min X human serums. Lane 1: 100ng. Lane 2: 33.3ng. Lane 3: 11.1ng. Lane 4: 3.7ng. Lane 5: 1.23ng. Primary Antibody: Rb-anti-sheep Biotin at 1µg/mL. Secondary Antibody: Streptavidin HRP S000-03 at 1:40,000. Blocking Buffer: BlockOut MB-073 for 30 min at RT.



Disclaimer

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