

Datasheet for 605-4502

GOAT IgG (H&L) Secondary Antibody Alkaline Phosphatase Conjugated

Overview

Description:	Rabbit Anti-Goat IgG (H&L) Antibody Alkaline Phosphatase Conjugated - 605-4502
Item No.:	605-4502
Size:	1 mg
Applications:	Dot Blot, ELISA, WB
Reactivity:	Goat
Host Species:	Rabbit

Product Details

Background:	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:	rabbit anti-Goat IgG Alkaline Phosphatase Conjugated Antibody, rabbit anti-Goat IgG Antibody alk phos Conjugation
Host Species:	Rabbit
Specificity:	IgG (H&L)
Conjugate:	Alkaline Phosphatase (AP)
Clonality:	Polyclonal
Format:	IgG

Target Details

Reactivity:	Goat
Immunogen:	Goat IgG whole molecule

Purity/Specificity:	Anti-Goat Secondary Antibody 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-Alkaline Phosphatase (calf intestine), anti-Rabbit Serum, Goat IgG and Goat Serum.
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Application Details

Tested Applications:	Dot Blot, ELISA, WB
Application Note:	Anti-Goat IgG Alkaline Phosphatase conjugate has been tested by ELISA, dot blot, and western blot and is suitable for 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:	1:2,000 - 1:13,000
IHC:	1:200 - 1:1,000
WB:	1:500 - 1:2,500

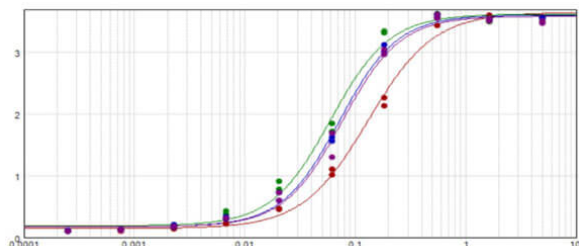
Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	1.0 mg/mL by UV absorbance at 280 nm
Buffer:	0.05 M Tris Chloride, 0.15M Sodium Chloride, 0.001M Magnesium Chloride, 0.0001M Zinc Chloride, 50% (v/v) Glycerol; pH 8.0
Preservative:	0.09% (w/v) Sodium Azide
Stabilizer:	10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free

Shipping & Handling

Shipping Condition:	Wet Ice
Storage Condition:	Store secondary antibody at 4° C before opening. DO NOT FREEZE. Anti-Goat secondary antibodies are stable at 4° C as an undiluted liquid. Dilute only prior to immediate use. Freezing alkaline phosphatase conjugates will result in a substantial loss of enzymatic activity.
Expiration:	Expiration date is one (1) year from date of receipt.

Images



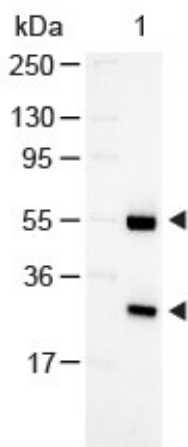
ELISA

ELISA results of purified Rabbit Anti-Goat IgG Alkaline Phosphatase Conjugated Antibody tested against purified Goat IgG. (Green Line). Each well was coated in duplicate with 1.0 μ g of antigen. The starting dilution of antibody was 5 μ g/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 (p/n MB-060-1000) and TMB substrate (p/n TMBE-1000).



Dot Blot

Dot Blot of Goat IgG (H&L) Secondary Antibody Alkaline Phosphatase Conjugated. Antigen: Goat IgG Load: Lane 1 - 200ng Lane 2 - 66.7ng Lane 3 - 22.2ng Lane 4 - 7.4ng Lane 5 - 2.5ng Primary antibody: none Secondary antibody: Goat IgG (H&L) Secondary Antibody Alkaline Phosphatase Conjugated at 1:1,000 for 60 min at RT. Detected using Alkaline Phosphatase Substrate. Block: MB-070 60 min at RT.



Western Blot

Western Blot of Rabbit anti-Goat Antibody Alkaline Phosphatase Conjugated. Lane 1: Goat IgG Load: 100 ng per lane Secondary antibody: Alkaline Phosphatase Conjugated Rabbit Anti-Goat Antibody at 1:1000 for 60 min at RT Block: MB-070 30 min RT Predicted/Observed size: 55 and 28 kDa, 55 and 28 kDa

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.