

## Datasheet for 605-4102

## Goat IgG (H&L) Secondary Antibody

### Overview

<b>Description:</b>	Rabbit Anti-Goat IgG (H&L) Antibody - 605-4102
<b>Item No.:</b>	605-4102
<b>Size:</b>	2 mg
<b>Applications:</b>	ELISA, IHC, LFA
<b>Reactivity:</b>	Goat
<b>Host Species:</b>	Rabbit

### Product Details

<b>Background:</b>	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.
<b>Synonyms:</b>	rabbit anti-GOAT IgG Antibody, rabbit anti goat IgG
<b>Host Species:</b>	Rabbit
<b>Specificity:</b>	IgG (H&L)
<b>Clonality:</b>	Polyclonal
<b>Format:</b>	IgG

### Target Details

<b>Reactivity:</b>	Goat
<b>Immunogen:</b>	Goat IgG whole molecule
<b>Purity/Specificity:</b>	Secondary Antibody was prepared from monospecific antiserum by immunoaffinity chromatography using Goat IgG coupled to agarose beads. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Rabbit Serum, Goat IgG and Goat Serum.

## Application Details

<b>Tested Applications:</b>	ELISA
<b>Suggested Applications:</b>	IHC, LFA (Based on references)
<b>Application Note:</b>	Anti-Goat IgG antibody has been tested by ELISA and western blot, and is suitable for immunohistochemistry, as well as other assays requiring lot-to-lot consistency.
<b>Assay Dilutions:</b>	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
<b>ELISA:</b>	1:50,000 - 1:100,000
<b>IHC:</b>	1:1,000 - 1:5,000
<b>WB:</b>	1:10,000 - 1:60,000

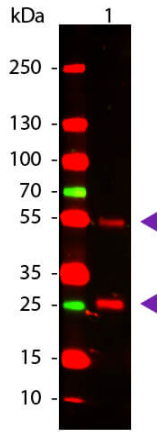
## Formulation

<b>Physical State:</b>	Liquid (sterile filtered)
<b>Concentration:</b>	2.1 mg/mL by UV absorbance at 280 nm
<b>Buffer:</b>	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
<b>Preservative:</b>	0.01% (w/v) Sodium Azide
<b>Stabilizer:</b>	None

## Shipping & Handling

<b>Shipping Condition:</b>	Wet Ice
<b>Storage Condition:</b>	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.
<b>Expiration:</b>	Expiration date is one (1) year from date of receipt.

## Images

**Western Blot**

Western Blot of Rabbit anti-Goat IgG Antibody. Lane 1: Goat IgG (p/n 005-0102). Load: 50 ng per lane. Primary antibody: Goat antibody at 1:1,000 overnight at 4°C. Secondary antibody: DyLight™ 649 rabbit secondary antibody at 1:20,000 for 30 min at RT. Block: MB-070 for 30 min at RT. Predicted/Observed size: 28 & 55 kDa, 28 & 55 kDa for Goat IgG. Other band(s): None

**References**

- C Berthonneche et al. New insights into the pathological role of TNF-alpha in early cardiac dysfunction and subsequent heart failure after infarction in rats. *Am J Physiol Heart Circ Physiol.* (2004)
- Sungsu Park et al. Modified immunoliposome sandwich assay for the detection of Escherichia coli O157:H7 in apple cider. *J Food Prot.* (2004)

**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.