

Datasheet for 605-4102**Goat IgG (H&L) Secondary Antibody****Overview**

Description:	Rabbit Anti-Goat IgG (H&L) Antibody - 605-4102
Item No.:	605-4102
Size:	2 mg
Applications:	ELISA, IHC, LFA
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 Antibody, rabbit anti goat IgG
Host Species:	Rabbit
Specificity:	IgG (H&L)
Clonality:	Polyclonal
Format:	IgG

Target Details

Reactivity:	Goat
Immunogen:	Goat IgG whole molecule
Purity/Specificity:	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

Tested Applications:	ELISA
Suggested Applications:	IHC, LFA (Based on references)
Application Note:	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.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:50,000 - 1:100,000
IHC:	1:1,000 - 1:5,000
WB:	1:10,000 - 1:60,000

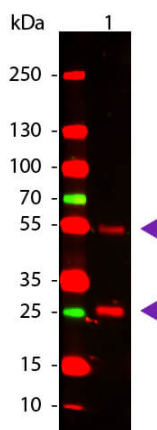
Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	2.1 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 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)

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