



SZABO SCANDIC

Part of Europa Biosite

Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

Datasheet for 811-1602**Fab Rabbit IgG (H&L) Antibody Biotin Conjugated****Overview**

Description:	Goat Fab Anti-Rabbit IgG (H&L) Antibody Biotin Conjugated - 811-1602
Item No.:	811-1602
Size:	1 mg
Applications:	ELISA, IF, IHC, Multiplex
Reactivity:	Rabbit
Host Species:	Goat

Product Details

Background:	Fab Anti-Rabbit IgG (H&L) Antibody generated in goat detects immunoglobulin g from rabbit, both heavy and light chains of the antibody molecule are present. Each IgG has two antigen binding sites. Representing approximately 75% of serum immunoglobulins, IgG is the most abundant antibody isotype found in the circulation. IgG molecules are synthesized and secreted by plasma B cells. 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:	Goat Fab Anti-Rabbit IgG Biotin Conjugated Antibody, Goat Fab Fragment Anti-Rabbit IgG Antibody Biotin Conjugation
Host Species:	Goat
Specificity:	IgG (H&L)
Conjugate:	Biotin
Clonality:	Polyclonal
Format:	IgG Fab

Target Details

Reactivity:	Rabbit
Immunogen:	Rabbit IgG whole molecule

Purity/Specificity:	This product was prepared from monospecific antiserum by immunoaffinity chromatography using Rabbit IgG coupled to agarose beads followed by solid phase adsorption(s) to remove any unwanted reactivities, papain digestion and chromatographic separation. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Biotin and anti-Goat Serum. No reaction was observed against anti-Papain or anti-Goat IgG F(c).
----------------------------	--

Application Details

Tested Applications:	ELISA
Suggested Applications:	IF, IHC, Multiplex (Based on references)
Application Note:	Fab Anti-Rabbit IgG Biotin Conjugated Antibody has been tested by ELISA and is suitable for immunoblotting, ELISA, immunohistochemistry, immunomicroscopy as well as other antibody based assays using streptavidin or avidin conjugates requiring extremely low background levels, absence of F(c) mediated binding, lot-to-lot consistency, high titer and specificity.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:90,000
IHC:	1:1,000 - 1:5,000
WB:	1:2,000 - 1:10,000

Formulation

Physical State:	Lyophilized
Concentration:	1.0mg/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)

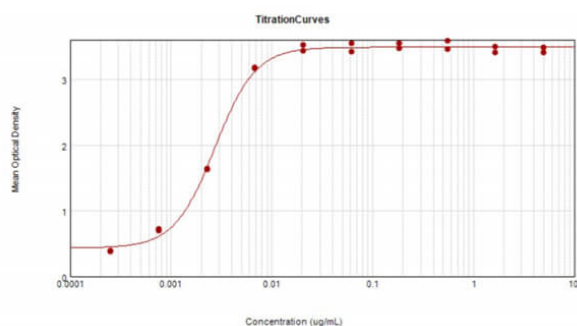
Shipping & Handling

Shipping Condition:	Ambient
----------------------------	---------

Storage Condition: Store 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



ELISA

ELISA Results of Fab Anti-Rabbit IgG (Goat) Antibody Biotin Conjugated. Each well was coated in duplicate with 10 µg of Rabbit IgG (p/n 011-0102). The working dilution is 368,000. 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 3% Fish Gel/PBS (p/n MB-066), Streptavidin-HRP conjugated (p/n S000-03) and TMB substrate (p/n TMBE-1000).

References

- Beedle MT et al. Differential localization of histone variant TH2B during the first round compared with subsequent rounds of spermatogenesis. *Dev Dyn.* (2019)
- Schnorbusch K et al. GABAergic signaling in the pulmonary neuroepithelial body microenvironment: functional imaging in GAD67-GFP mice. *Histochem Cell Biol.* (2013)
- Schnorbusch K et al. Precision-cut vibratome slices allow functional live cell imaging of the pulmonary neuroepithelial body microenvironment in fetal mice. *Adv Exp Med Biol.* (2012)
- Lembrechts R et al. Expression of mechanogated two-pore domain potassium channels in mouse lungs: special reference to mechanosensory airway receptors. *Histochem Cell Biol.* (2011)
- Oztay F et al. Neurotrophin-4 dependency of intraepithelial vagal sensory nerve terminals that selectively contact pulmonary NEBs in mice. *Histol Histopathol.* (2010)
- Brouns I et al. Neurochemical pattern of the complex innervation of neuroepithelial bodies in mouse lungs. *Histochem Cell Biol.* (2009)
- de Proost I et al. Pulmonary expression of voltage-gated calcium channels: special reference to sensory airway receptors. *Histochem Cell Biol.* (2007)
- Brouns I et al. Neurochemical characterisation of sensory receptors in airway smooth muscle: comparison with pulmonary neuroepithelial bodies. *Histochem Cell Biol.* (2006)
- Brouns I et al. Sensory receptors in the airways: neurochemical coding of smooth muscle-associated airway receptors and pulmonary neuroepithelial body innervation. *Auton Neurosci.* (2006)
- Van Genechten J et al. Quantification of neuroepithelial bodies and their innervation in fawn-hooded and Wistar rat lungs. *Am J Respir Cell Mol Biol.* (2004)
- Brouns I et al. Vesicular glutamate transporter 2 is expressed in different nerve fibre populations that selectively contact pulmonary neuroepithelial bodies. *Histochem Cell Biol.* (2004)
- Cryns K et al. The WFS1 gene, responsible for low frequency sensorineural hearing loss and Wolfram syndrome, is expressed in a variety of inner ear cells. *Histochem Cell Biol.* (2003)
- Brouns I et al. Triple immunofluorescence staining with antibodies raised in the same species to study the complex innervation pattern of intrapulmonary chemoreceptors. *J Histochem Cytochem.* (2002)

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.