

Datasheet: NB-47-05916-1MG

Description:	GOAT ANTI RABBIT IgG (Fc): Biotin
Specificity:	IgG (Fc)
Format:	Biotin
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	1 mg

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit: <https://www.neo-biotech.com/fr/>.

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry			▪	
Immunohistology - Frozen			▪	
Immunohistology - Paraffin			▪	
ELISA	▪			1:20000 - 1:400000
Immunoprecipitation			▪	
Western Blotting	▪			1:20000 - 1:400000

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

Target Species	Rabbit
Product Form	Purified IgG fraction conjugated to Biotin – liquid
Antiserum Preparation	Antisera to rabbit IgG were raised by repeated immunisations of goats with highly purified antigen. Purified IgG was prepared by affinity chromatography.
Buffer Solution	Phosphate buffered saline
Preservative	0.09% Sodium Azide (NaN ₃)
Stabilisers	0.2% Bovine Serum Albumin
Approx. Protein Concentrations	IgG concentration 1.0 mg/ml

Specificity

Goat anti rabbit IgG antibody recognizes the Fc region of rabbit immunoglobulin G, confirmed by ELISA and immunoelectrophoresis. The antibody has not been species cross adsorbed and may cross react with IgG from other species. It shows weak recognition of rabbit IgM in ELISA.

Goat anti rabbit IgG antibody has been used successfully as a secondary detection reagent for rabbit primary antibodies using immunohistochemical techniques ([Redondo et al. 2013](#)).

References

1. Kalluri, S.R. *et al.* (2010) Quantification and functional characterization of antibodies to native aquaporin 4 in neuromyelitis optica. [Arch Neurol. 67:1201-8.](#)
2. Redondo, E. *et al.* (2014) Induction of interleukin-8 and interleukin-12 in neonatal ovine lung following experimental inoculation of bovine respiratory syncytial virus. [J Comp Pathol. 150 \(4\): 434-48.](#)
3. Tyrsina, E. *et al.* (2019) Detection and quantification of VEGFR-1 in the nuclei of tumor cells by a new flow cytometry-based method. [J Immunotoxicol. 16 \(1\): 74-81.](#)
4. Lin, W. *et al.* (2020) Rapid identification of anti-idiotypic mAbs with high affinity and diverse epitopes by rabbit single B-cell sorting-culture and cloning technology. [PLoS One. 15 \(12\): e0244158.](#)
5. Li, Y. *et al.* (2022) Low-Temperature Plasma-Activated Medium Inhibited Proliferation and Progression of Lung Cancer by Targeting the PI3K/Akt and MAPK Pathways. [Oxid Med Cell Longev. 2022: 9014501.](#)

Storage

Store at +4°C. DO NOT FREEZE.

This product should be stored undiluted. Should this product contain a precipitate we recommend microcentrifugation before use.

Guarantee

12 months from date of despatch

Health And Safety Information

Material Safety Datasheet documentation #10041 available at:
<https://www.neo-biotech.com/other-products-186/goat-anti-rabbit-igg-fc-biotin-619013247.html>

Regulatory

For research purposes only
