

Product Datasheet

Glucagon Antibody (09) [Alexa Fluor® 647] NBP2-21803AF647

Unit Size: 0.1 ml

Store at 4C in the dark.

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Updated 10/23/2024 v.20.1

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NBP2-21803AF647

Glucagon Antibody (09) [Alexa Fluor® 647]

Product Information	
Unit Size	0.1 ml
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C in the dark.
Clonality	Monoclonal
Clone	09
Preservative	0.05% Sodium Azide
Isotype	IgG1 Kappa
Conjugate	Alexa Fluor 647
Purity	Protein A purified
Buffer	50mM Sodium Borate

Product Description	
Host	Mouse
Gene ID	2641
Gene Symbol	GCG
Species	Human, Mouse, Rat, Porcine
Reactivity Notes	Use in Mouse reported in scientific literature (PMID:32953935).
Specificity/Sensitivity	Binds human glucagon. Cross-reacts less than 5% with oxyntomodulin.
Immunogen	Synthetic full length oxyntomodulin coupled to carrier.
Notes	Alexa Fluor (R) products are provided under an intellectual property license from Life Technologies Corporation. The purchase of this product conveys to the buyer the non-transferable right to use the purchased product and components of the product only in research conducted by the buyer (whether the buyer is an academic or for-profit entity). The sale of this product is expressly conditioned on the buyer not using the product or its components, or any materials made using the product or its components, in any activity to generate revenue, which may include, but is not limited to use of the product or its components: (i) in manufacturing; (ii) to provide a service, information, or data in return for payment; (iii) for therapeutic, diagnostic or prophylactic purposes; or (iv) for resale, regardless of whether they are resold for use in research. For information on purchasing a license to this product for purposes other than as described above, contact Life Technologies Corporation, 5791 Van Allen Way, Carlsbad, CA 92008 USA or outlicensing@lifetech.com. This conjugate is made on demand. Actual recovery may vary from the stated volume of this product. The volume will be greater than or equal to the unit size stated on the datasheet.

Product Application Details	
Applications	ELISA, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Sandwich ELISA, Sandwich ELISA Capture



Recommended Dilutions	Flow Cytometry, ELISA, Immunohistochemistry, Immunocytochemistry/Immunofluorescence, Immunohistochemistry-Paraffin, Sandwich ELISA, Sandwich ELISA Capture
Application Notes	Optimal dilution of this antibody should be experimentally determined.

Images

Product Image: Glucagon Antibody (09) [Alexa Fluor® 647] [NBP2-21803AF647] - Vial of Alexa Fluor 647 conjugated antibody. Alexa Fluor 647 is optimally excited at 653 nm by the Red laser (633 or 640 nm) and has an emission maximum of 669 nm.



Publications

Lau H, Corrales N, Rodriguez S et al. Dose-dependent effects of necrostatin-1 supplementation to tissue culture media of young porcine islets PloS one 2020-12-07 [PMID: 33284818]

Xiaomeng Hu, Kathy White, Chi Young, Ari G Olroyd, Paul Kievit, Andrew J Connolly, Tobias Deuse, Sonja Schrepfer Hypoimmune islets achieve insulin independence after allogeneic transplantation in a fully immunocompetent non-human primate. Cell stem cell 2024-03-11 [PMID: 38335966]

Wu Y, Wong CW, Chiles EN Et al. Glycerate from intestinal fructose metabolism induces islet cell damage and glucose intolerance Cell Metab 2022-06-10 [PMID: 35688154]

Details:

Citation using the Alexa Fluor 647 version of this antibody.

Lau, H, Corrales, N Et al. An islet maturation media to improve the development of young porcine islets during in vitro culture. Islets 2020-05-03 [PMID: 32459554] (WB, Human)

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Products Related to NBP2-21803AF647

IC002R	Mouse IgG1 Isotype Control (11711) [Alexa Fluor® 647]
NBP1-72384-100ug	Recombinant Human Glucagon His Protein
291-G1-200	IGF-I/IGF-1 [Unconjugated]
DY1249	Glucagon [Biotin]

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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