Leinco Technologies, Inc.
excellence in early discovery research™

Rat IgG$_1$ Isotype Control

Purified *in vivo* PLATINUM™ Functional Grade

Isotype Control

Product Information

Product No.:	R1379
Clone:	GL113
RRID:	AB_2894259
Isotype:	Rat IgG1
Storage:	Sterile 2-8°C

Product Description

Specificity:

This Rat IgG1 isotype control antibody has been tested against selected species' cells and tissues to assure minimal cross reactivity.

Format:

Purified *in vivo* PLATINUM™ Functional Grade

Formulation

This monoclonal antibody is aseptically packaged and formulated in 0.01 M phosphate buffered saline (150 mM NaCl) PBS pH 7.2 - 7.4 with no carrier protein, potassium, calcium or preservatives added. Due to inherent biochemical properties of antibodies, certain products may be prone to precipitation over time. Precipitation may be removed by aseptic centrifugation and/or filtration.

Purity

≥98% monomer by analytical SEC, >95% by SDS Page

Endotoxin

< 0.5 EU/mg as determined by the LAL method

Storage and Stability

Functional grade preclinical antibodies may be stored sterile as received at 2-8°C for up to one month. For longer term storage, aseptically aliquot in working volumes without diluting and store at ≤ -70°C.
Avoid Repeated Freeze Thaw Cycles.

Product Preparation

Functional grade preclinical antibodies are manufactured in an animal free facility using in vitro cell culture techniques and are purified by a multi-step process including the use of protein A or G to assure extremely low levels of endotoxins, leachable protein A or aggregates.

Pathogen Testing

To protect mouse colonies from infection by pathogens and to assure that experimental preclinical data is not affected by such pathogens, all of Leinco's Purified Functional PLATINUM™ antibodies are tested and guaranteed to be negative for all pathogens in the IDEXX IMPACT I Mouse Profile.

Country of Origin

USA

References

1. Tzetzo, S. L., Kramer, E. D., Mohammadpour, H., Kim, M., Rosario, S. R., Yu, H., Dolan, M., Oturkar, C. C., Morreale, B., Bogner, P. N., Stablewski, A., Benavides, F., Brackett, C. M., Ebos, J. M., Das, G. M., Opyrchal, M., Nemeth, M. J., Evans, S. S., & Abrams, S. I. (2024). Downregulation of IRF8 in alveolar macrophages by G-CSF promotes metastatic tumor progression. iScience, 109187. https://doi.org/10.1016/j.isci.2024.109187

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