Leinco Technologies, Inc.
excellence in early discovery research™

Mouse IgG_1 Isotype Control

Purified *in vivo* PLATINUM™ Functional Grade

Isotype Control

Product Information

Product No.:	M1411
Clone:	HKSP
RRID:	AB_2831344
Isotype:	Mouse IgG1 κ

Product Description

Specificity:
This Mouse IgG_1 isotype control antibody (anti-BTV) has been tested against selected species' cells and tissues to assure minimal cross reactivity. This antibody was also pathogen tested and third-party certified by IDEXX BioReseach to meet the lowest mycoplasma specification and free of any viral pathogens of concern.

Format:
Purified in vivo Functional Grade, in vivo PLATINUM™

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.

Products are for research use only. Not for use in diagnostic or therapeutic procedures.

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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