Datasheet: 105001G

BATCH NUMBER 168830

Description:	GOAT ANTI MOUSE KAPPA LIGHT CHAIN
Specificity:	KAPPA LIGHT CHAIN
Format:	Purified
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 www.bio-rad-antibodies.com/protocols.

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

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	Mouse
Product Form	Purified IgG - liquid
Antiserum Preparation	Antiserum to mouse kappa light chain was raised by repeated immunisation of goats with highly purified antigen. Purified IgG was prepared from whole serum by affinity chromatography.
Buffer Solution	Borate buffered saline
Preservative Stabilisers	None present
Approx. Protein	IgG concentration 1.0 mg/ml

Concentrations	
Immunogen	Mouse paraproteins with kappa light chains.
External Database Links	**UniProt:** P01837 Related reagents **Entrez Gene:** 16071 Igk-C Related reagents
Specificity	**Goat anti mouse kappa light chain polyclonal antibody** is specific for mouse kappa light chains (free and bound). This antibody is cross-adsorbed against mouse lambda light chains.
Flow Cytometry	Use 10ul of the suggested working dilution to label 1x10^6 cells in 100ul
References	1. Blakney, A.K. *et al.* (2021) Innate Inhibiting Proteins Enhance Expression and Immunogenicity of Self-Amplifying RNA. Mol Ther. 29 (3): 1174-85. 2. Wang, Z. *et al.* (2023) Reducing cell intrinsic immunity to mRNA vaccine alters adaptive immune responses in mice. Mol Ther Nucleic Acids. 34: 102045. 3. Murugaiah, V. *et al.* (2024) A transgenic mouse with a humanised B cell repertoire mounts an antibody response to influenza infection and vaccination. J Infect Dis. Sep 24 [Epub ahead of print].
Storage	Store at -20ºC only. Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.
Guarantee	Guaranteed for 12 months from the date of despatch or until the date of expiry, whichever comes first. Please see label for expiry date.
Health And Safety Information	Material Safety Datasheet documentation #10123 available at: https://www.bio-rad-antibodies.com/SDS/105001G 10123
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Rabbit Anti Goat IgG (Fc) (STAR122...) FITC, HRP

North & South America Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: antibody_sales_us@bio-rad.com

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To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets

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