SONY

Product Data Sheet

Brilliant Violet 421™ anti-DYKDDDDK Tag

Catalog # / Size: 3786605 / 25 µg
3786610 / 100 µg

Clone: L5

Isotype: Rat IgG2a, λ

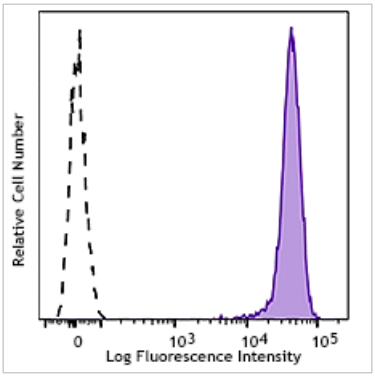
Immunogen: DYKDDDDK-tagged mouse Langerin

Reactivity: Mouse

Preparation: The antibody was purified by affinity chromatography and conjugated with Brilliant Violet 421â„¢ under optimal conditions. The solution is free of unconjugated Brilliant Violet 421â„¢ and unconjugated antibody.

Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and BSA (origin USA).

Concentration: 0.5 mg/ml



DYKDDDDK tag-transfected cells were stained with anti-DYKDDDDK (clone L5) Brilliant Violet 421™ (filled histogram) or rat IgG2a, κ Brilliant Violet 421™ isotype control (open histogram).

Applications:

Applications: Flow Cytometry

Recommended Usage: Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is ≤ 0.5 µg per million cells in 100 µl volume. It is recommended that the reagent be titrated for optimal performance for each application.

Brilliant Violet 421™ excites at 405 nm and emits at 421 nm. The standard bandpass filter 450/50 nm is recommended for detection. Brilliant Violet 421™ is a trademark of Sirigen Group Ltd.

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Application Notes: The L5 clone has been demonstrated to have 2-8 fold better sensitivity in WB than another commonly used antibody clone, M2.

Application References:
1. Einhauer A. 2001. *J. Biochem. Biophys. Methods.* 49:455.
2. Knappik A and Pluckthun A. 1994. *Biotechniques.* 17:754.

Description: The DYKDDDDK tag, commonly referred to as Sigma®'s FLAG® Tag, is often used as a protein modification in order to simplify the labeling and detection of proteins.This unique amino acid sequence allows for specific antibody detection in western blotting, immunoprecipitation, and immunostaining techniques.Due to the short sequence, this modification is not likely to affect the structure or function of the modified proteins.

Antigen References: 1. Einhauer A. 2001. *J. Biochem. Biophys. Methods.* 49:455.
2. Knappik A and Pluckthun A. 1994. *Biotechniques.* 17:754.