Brilliant Violet 421® anti-human 4-1BB Ligand (CD137L)

Catalog # / Size: 2157535 / 25 tests

2157540 / 100 tests

Clone: 5F4

Isotype: Mouse IgG1, κ

Reactivity: Human

Preparation: The antibody was purified by affinity

chromatography and conjugated with Brilliant Violet 421[™] under optimal conditions. The solution is free of unconjugated Brilliant Violet 421[™] and

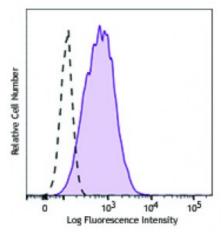
unconjugated antibody.

Formulation: Phosphate-buffered solution, pH 7.2,

containing 0.09% sodium azide and BSA

(origin USA).

Concentration: Lot-specific



Human T lymphoblastic leukemia cell line, HuT-78, was stained with CD137L (clone 5F4) Brilliant Violet 421™ (filled histogram) or mouse lgG1, 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 ≤5 microL per million cells or 5 microL per 100 microL of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.

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

Application Notes:

For most successful immunofluorescent staining results, it may be important to maximize signal over background by using a relatively bright fluorochromeantibody conjugate (Cat. No. 311504) or by using a high sensitivity, three-layer staining technique (e.g., including a biotinylated anti-mouse IgG second step (Cat. No. 405303), followed by SAV-PE (Cat. No. 405204)).

Application References:

1. Gullo C, et al. 2010. PLoS One. 5:e10845. (FC) PubMed

Description: 4-1BB ligand, also known as CDw137L, is a 97 kD member of the TNF superfamily

mainly expressed on APCs, activated B and T cells. It has been reported to be important in T cell proliferation and cytokine production through interaction with 4-1BB receptor. 4-1BB ligand appears to be able to act as a costimulatory molecule without the engagement of other costimulatory molecules such as

CD28.

Antigen References:

1. Akiba H, et al. 2000. J. Exp. Med. 191:375.

2. Pollak KE, et al. 1995. Eur. J. Immunol. 25:488.

3. DeBenedette MA, et al. 1997. J. Immunol. 158:551.

4. Goodwin RG, et al.

