SONY

Product Data Sheet

Brilliant Violet 421™ anti-mouse CD155 (PVR)

Catalog # / Size: 1257585 / 50 µg

Clone: TX56

Isotype: Rat IgG2a, κ

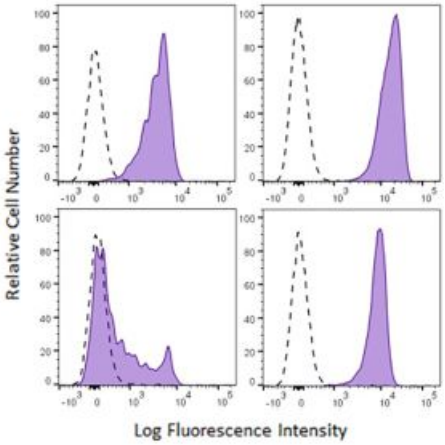
Immunogen: CD155 transfectants

Reactivity: Mouse

Preparation: The antibody was purified by affinity chromatography and conjugated with Brilliant Violet 421™ under optimal conditions.

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

Concentration: 0.2



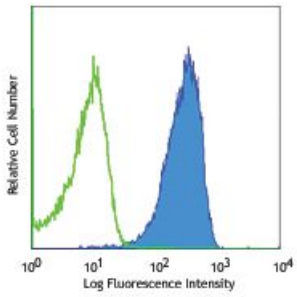
C57BL/6 thymocytes were stained with anti-mouse CD4 (clone GK1.5) PE, anti-mouse CD8a (clone 53-6.7) APC, and either anti-mouse CD155 (clone TX56) Brilliant Violet 421™ (filled histogram) or rat IgG2a, κ (clone RTK2758) Brilliant Violet 421™ (dashed histogram). Histograms shown are derived from the following populations: CD4-8+ (top left), CD4+CD8+ (top right), CD4+CD8- (bottom right), CD4-CD8- (bottom left).

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 ≤ 0.25 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.



Application References:

1. Tahara-Hanaoka S, *et al.* 2004. *Int. Immunol.* 16:533.
2. Maier MK, *et al.* 2007. *Eur. J. Immunol.*. 37:2214.
3. Bottino C, *et al.* 2003. *J. Exp. Med*. 198:557.
4. Dressel R, *et al.* 2010. *FASEB J.* 9:134. PubMed

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Description: Mouse CD155, also known as homolog of polivirus receptor (PVR), is the founding member of a subfamily of immunoglobulin-like adhesion receptors (nectins). Mouse CD155 is expressed on a wide variety of cells of hematopoietic origin apart from its existence on the epithelial cells. The engagement of CD155 with CD226 and CD96 induces cytotoxicity of NK cells and CTL.

Antigen References:

1. Mendelsohn C, *et al.* 1989. *Cell* 56:855.

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