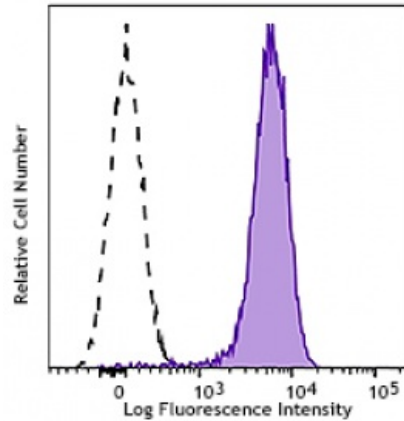


Brilliant Violet 421™ anti-human HLA-E

Catalog # / Size:	2313060 / 100 tests 2313055 / 25 tests
Clone:	3D12
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 peripheral blood lymphocytes were stained with HLA-E (clone 3D12) Brilliant Violet 421™ (filled histogram) or mouse IgG1, 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 μ l per million cells or 5 μ l per 100 μ l of whole blood. 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 References:**
1. Sullivan LC, *et al.* 2008. *Tissue Antigen*. 72:415.
 2. Koller BH, *et al.* 1988. *J. Immunol.* 141:897.

Description: HLA-E is a non-classical MHC class I (MHC-Ib) molecule. It is characterized by limited polymorphism and ubiquitous expression. HLA-E, as other MHC-I molecules, is heterodimerized with β 2-microglobulin. HLA-E interacts with CD94/NKG2 receptor to regulate NK cell cytotoxic activities.

- Antigen References:**
1. Sullivan LC, *et al.* 2008. *Tissue Antigen*. 72:415.
 2. Koller BH, *et al.* 1988. *J. Immunol.* 141:897.

