SONY

Product Data Sheet

Purified anti-human HLA-E

Catalog # / Size: 2313010 / 100 µg

Clone: 3D12

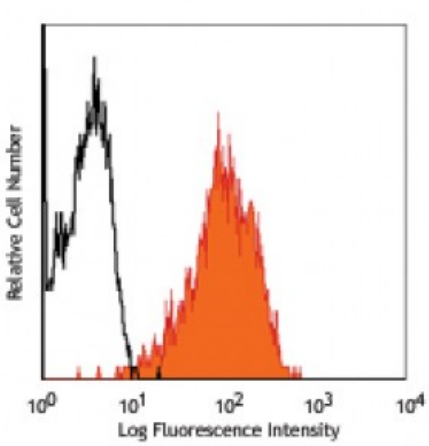
Isotype: Mouse IgG1, κ

Reactivity: Human

Preparation: The antibody was purified by affinity chromatography.

Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.

Concentration: 0.5



Human peripheral blood lymphocytes stained with 3D12 PE

Applications:

Applications: Other

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 ≤2.0 microg per million cells in 100 microL volume. It is recommended that the reagent be titrated for optimal performance for each application.

Application References:

1. Lee N, *et al.* 1998. *Proc. Natl. Acad. Sci. USA.* 95:5199.
2. Wooden SL, *et al.* 2005. *J. Immunol.* 175:1383.
3. Monaco EL, *et al.* 2008. *J. Immunol.* 181:5442.
4. Corrah TW, *et al.* 2011. *J. Virol.* 85:3367. PubMed

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 β2-microglobulin. HLA-E interacts with CD94/NKG2 receptor to regulate NK cell cytolysis activities.

Antigen References:

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