

**PE anti-human HLA-E**

**Catalog # / Size:** 2313015 / 25 tests  
2313020 / 100 tests

**Clone:** 3D12

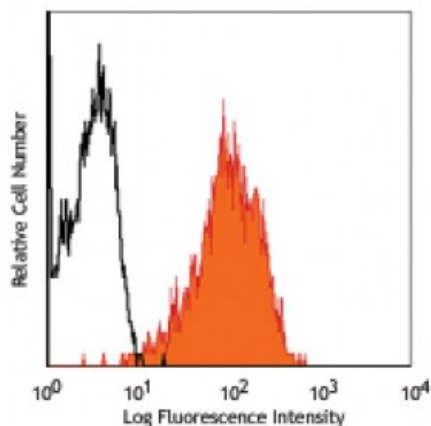
**Isotype:** Mouse IgG1,  $\kappa$

**Reactivity:** Human

**Preparation:** The antibody was purified by affinity chromatography, and conjugated with PE under optimal conditions. The solution is free of unconjugated PE and unconjugated antibody.

**Formulation:** Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% (w/v) BSA (origin USA).

**Concentration:** Lot-specific



Human peripheral blood lymphocytes stained with 3D12 PE

**Applications:**

**Applications:** Flow Cytometry

**Recommended Usage:** Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. **Test size products are transitioning from 20 microL to 5 microL per test.** Please check your vial or your CoA to find the suggested use of this reagent per million cells in 100 microL staining volume or per 100 microL of whole blood. 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  $\beta$ 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.