

## PE anti-human CD82

**Catalog # / Size:** 2310520 / 100 tests  
2310515 / 25 tests

**Clone:** ASL-24

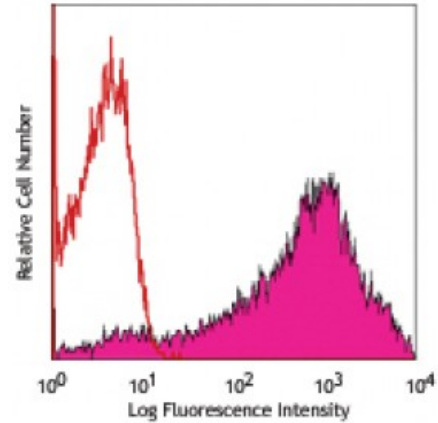
**Isotype:** Mouse IgG1,  $\kappa$

**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 ASL-24 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. Lambele M, *et al.* 2015. *J Virol.* 89:3247. [PubMed](#)

**Description:** CD82 is a 45-90 kD type III tetraspan membrane protein which is encoded by the KAI1 gene. A member of the 4-span transmembrane protein superfamily (TM4SF) CD82 forms a complex with CD37, CD53, CD81, ECM and MHC molecules. CD82 is expressed on monocytes, granulocytes, lymphocytes, epithelial cells, endothelial cells, and fibroblasts and plays a role in signal transduction and adhesion. It has been suggested CD82 functions as a tumor suppressor as loss of expression has been found to promote tumor metastasis.

**Antigen References:**

1. Miranti CK. 2009. *Cell. Signal.* 21:196
2. Abe M, *et al.* 2008. 266:163
3. Lee JH *et al.* 2004. *Cancer Res.* 64:4235
4. Lagaudriere-Gesbert C, *et al.* 1997. *J. Immunol.* 158:2790