SONY

Product Data Sheet

Alexa Fluor® 647 anti-human CD82

Catalog # / Size: 2310540 / 100 tests

Clone: ASL-24

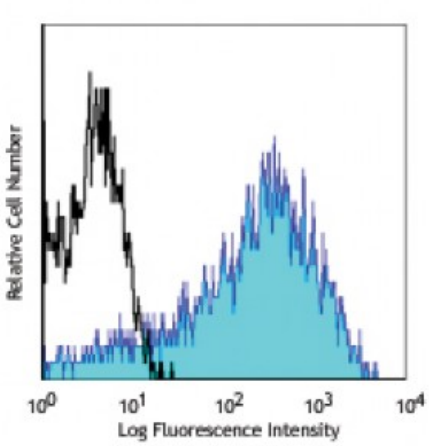
Isotype: Mouse IgG1, κ

Reactivity: Human

Preparation: The antibody was purified by affinity chromatography, and conjugated with Alexa Fluor® 647 under optimal conditions.

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 Alexa Fluor® 647

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 microL per million cells or 5 microL per 100 microL of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.

* Alexa Fluor® 647 has a maximum emission of 668 nm when it is excited at 633nm / 635nm.

Application References:

1. Termini CM, *et al.* 2014. *Mol Biol Cell.* 25:1560. 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