SONY

Product Data Sheet

PE anti-human CD18

Catalog # / Size: 2110535 / 25 tests
2110540 / 100 tests

Clone: TS1/18

Isotype: Mouse IgG1, κ

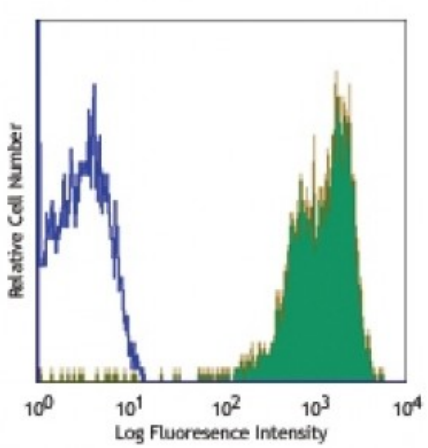
Reactivity: Human

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).

Workshop Number: V AS162

Concentration: Lot-specific



Human peripheral blood lymphocytes stained with TS1/18 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 Notes: Additional reported applications (for the relevant formats) include: inhibition of cell adhesion and migration[3,4]. The LEAF™ Purified antibody (Endotoxin <0.1 EU/µg, Azide-Free, 0.2 µm filtered) is recommended for functional assays (Cat. No. 302112). For highly sensitive assays, we recommend Ultra-LEAF™ purified antibody (Cat. No. 302116) with a lower endotoxin limit than standard LEAF™ purified antibodies (Endotoxin <0.01 EU/microg).

Application References:

1. Schlossman S, *et al.* 1995. Leucocyte Typing V. Oxford University Press. New York.
2. Kishimoto T, *et al.* 1997. Leucocyte Typing VI. Garland Press. London.
3. Van Epps DE, *et al.* 1989. *J. Immunol.* 143:3207. (Block)
4. Meerschaert J, *et al.* 1994. *J. Immunol.* 152:1915. (Block)
5. Sithu SD, *et al.* 2007. *J. Biol. Chem.* doi:10.1074/jbc.M611273200.
6. Sommaggio R, *et al.* 2012. *J. Immunol.* 188:2075. PubMed
7. Hu D, *et al.* 2012. *Eur J. Immunol.* 42:69. PubMed
8. Valenzuela NM, *et al.* 2013. *J. Immunol.* 190:6635. PubMed

Description: CD18 is a 90-95 kD type I transmembrane protein also known as integrin β_2 subunit, LFA-1 β subunit, and β_2 integrin. CD18 non-covalently associates with CD11a, CD11b or CD11c. CD18 is expressed on all leukocytes. CD18 and associated α chains function in adhesion and signaling in hematopoietic cells.

Antigen References:

1. Anderson D, *et al.* 1987. *Annu. Rev. Med.* 38:175.
2. Springer T. 1994. *Cell* 76:301.