

Product Data Sheet

FITC anti-human CD18

Catalog # / Size: 302105 / 25 tests
302106 / 100 tests

Clone: TS1/18

Isotype: Mouse IgG1, κ

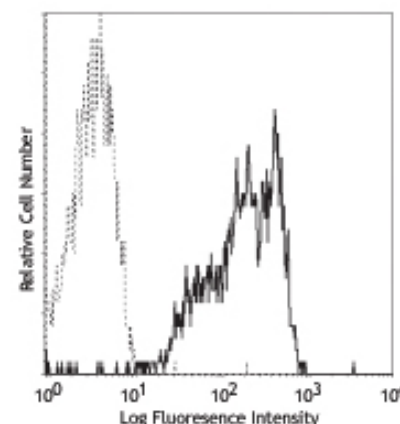
Workshop Number: V AS162

Reactivity: Human, **Cross-Reactivity:** Swine (Pig, Porcine)

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

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

Storage: The antibody solution should be stored undiluted at 4°C and protected from prolonged exposure to light. **Do not freeze.**



Human peripheral blood lymphocytes stained with TS1/18 FITC

Applications:

Applications: FC - Quality tested

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 μ l to 5 μ l per test.** Please check your vial or your CoA to find the suggested use of this reagent per million cells in 100 μ l staining volume or per 100 μ l of whole blood. It is recommended that the reagent be titrated for optimal performance for each application. Read more at www.biolegend.com/testsize regarding the test size change.

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/ μ g, Azide-Free, 0.2 μ m 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/ μ g).

Application References:

- Schlossman S, *et al.* 1995. Leucocyte Typing V. Oxford University Press. New York.
- Kishimoto T, *et al.* 1997. Leucocyte Typing VI. Garland Press. London.
- Van Epps DE, *et al.* 1989. *J. Immunol.* 143:3207. (Block)
- Meerschaert J, *et al.* 1994. *J. Immunol.* 152:1915. (Block)
- Sithu SD, *et al.* 2007. *J. Biol. Chem.* doi:10.1074/jbc.M611273200.
- Sommaggio R, *et al.* 2012. *J. Immunol.* 188:2075. 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:

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

Related Products:

Product	Clone	Application
FITC anti-human CD11c	3.9	FC
FITC anti-human CD11b (activated)	CBRM1/5	FC
FITC anti-human CD11a	HI111	FC
PE anti-human CD11b	ICRF44	FC
FITC Mouse IgG1, κ Isotype Ctrl	MOPC-21	FC, ICFC
Cell Staining Buffer		FC, ICC, ICFC
RBC Lysis Buffer (10X)		FC, ICFC
Human TruStain FcX™ (Fc Receptor Blocking Solution)		FC, ICC, ICFC



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