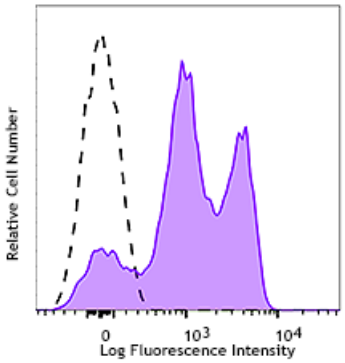
SONY

Product Data Sheet

Alexa Fluor® 700 anti-human CD18

Catalog # / Size:	2110615 / 25 tests 2110620 / 100 tests
Clone:	TS1/18
Isotype:	Mouse IgG1, κ
Reactivity:	Human, Other
Preparation:	The antibody was purified by affinity chromatography and conjugated with Alexa FluorÂ® 700 under optimal conditions. The solution is free of unconjugated Alexa FluorÂ® 700.
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 were stained with CD18 (clone TS1/18) Alexa Fluor® 700 (filled histogram) or Mouse IgG1, κ Alexa Fluor® 700 isotype control (open histogram).

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 µl per million cells or 5 µl per 100 µl of whole blood. It is recommended that the reagent be titrated for optimal performance for each application. * Alexa Fluor® 700 has a maximum emission of 719 nm when it is excited at 633 nm / 635 nm. Prior to using Alexa Fluor® 700 conjugate for flow cytometric analysis, please verify your flow cytometer's capability of exciting and detecting the fluorochrome.
Application Notes:	Additional reported applications (for the relevant formats) include: inhibition of cell adhesion and migration[3,4].
Application References:	1. Anderson D, *et al.* 1987. *Annu. Rev. Med.* 38:175. 2. Springer T. 1994. *Cell* 76:301.

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.

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