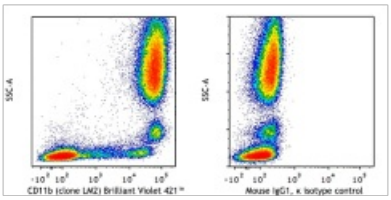
SONY

Product Data Sheet

Brilliant Violet 421™ anti-human CD11b

Catalog # / Size:	2565570 / 100 tests 2565565 / 25 tests
Clone:	LM2
Isotype:	Mouse IgG1, κ
Immunogen:	β2 integrins from granulocytes
Reactivity:	Human
Preparation:	The antibody was purified by affinity chromatography and conjugated with Brilliant Violet 421â„¢ under optimal conditions. The solution is free of unconjugated Brilliant Violet 421â„¢ and unconjugated antibody.
Formulation:	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and BSA (origin USA).
Concentration:	Lot-specific



Human peripheral blood lymphocytes, monocytes, and granulocytes were stained with CD11b (clone LM2) Brilliant Violet 421™ (left) or Mouse IgG1, κ Brilliant Violet 421™ isotype control (right).

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. Brilliant Violet 421™ excites at 405 nm and emits at 421 nm. The standard bandpass filter 450/50 nm is recommended for detection. Brilliant Violet 421™ is a trademark of Sirigen Group Ltd. This product is subject to proprietary rights of Sirigen Inc. and is made and sold under license from Sirigen Inc. The purchase of this product conveys to the buyer a non-transferable right to use the purchased product for research purposes only. This product may not be resold or incorporated in any manner into another product for resale. Any use for therapeutics or diagnostics is strictly prohibited. This product is covered by U.S. Patent(s), pending patent applications and foreign equivalents.
Application Notes:	LM2 does not block clone ICRF44 indicating a unique epitope.

Application References:

1. Stewart M, *et al.* 1995. *Curr Opin Cell Biol.* 7:690.
2. Miller LJ, *et al*. 1986. *J Immunol*. 137(9):2891.

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Description: CD11b is a 165-170 kD type I transmembrane glycoprotein also known as α_M integrin, Mac-1, CR3, and C3biR. CD11b non-covalently associates with integrin β_2 (CD18) and is expressed on granulocytes, monocytes/macrophages, dendritic cells, NK cells, and subsets of T and B cells. CD11b/CD18 is critical for the transendothelial migration of monocytes and neutrophils. It is also involved in granulocyte adhesion, phagocytosis, and neutrophil activation. CD11b/CD18 interacts with ICAM-1 (CD54), ICAM-2 (CD102), ICAM-4, CD14, CD23, heparin, iC3b, fibrinogen, and factor X.

Antigen References:

1. Stewart M, *et al.* 1995. *Curr Opin Cell Biol.* 7:690.
2. Miller LJ, *et al*. 1986. *J Immunol*. 137(9):2891.

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