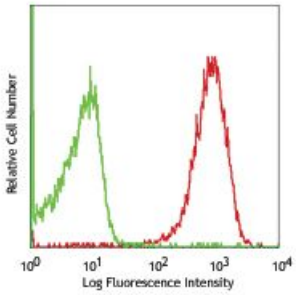
SONY

Product Data Sheet

APC anti-human CD36

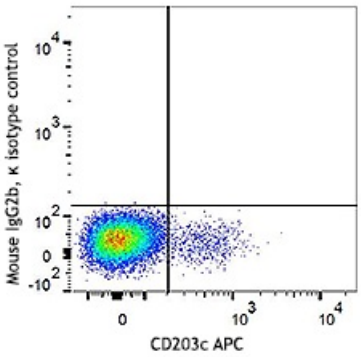
Catalog # / Size:	2281040 / 100 tests 2281035 / 25 tests
Clone:	5-271
Isotype:	Mouse IgG2a, κ
Immunogen:	Human platelets
Reactivity:	Human
Preparation:	The antibody was purified by affinity chromatography, and conjugated with APC under optimal conditions.
Formulation:	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and BSA (origin USA).
Workshop Number:	VI MR23
Concentration:	Lot-specific



Human peripheral blood platelets stained with 5-271 APC

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 µl to 5 µl per test**. Please check your vial or your CoA to find the suggested use of this reagent per million cells in 100 µl staining volume or per 100 µl 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: immunofluorescence[7].



Application References:

1. Stelner E, *et al.* 2006. *J. Cell Sci.* 119:459.
2. Stewart DA, *et al.* 2012. *Mol. Cancer Res.* 10:727. (IF)

Description: CD36 is an 85 kD integral membrane glycoprotein, also known as GPIIIb, or GPIV. It is expressed on various epithelial and endothelial cells as well as erythrocytes, platelets, macrophages/monocytes and some macrophage-derived dendritic cells. CD36 functions as a scavenger receptor, binding thrombospondin, long chain fatty acids, oxidized LDL, collagen type I, IV, and V as well as apoptotic cells. The 5-271 antibody has been reported to be useful for flow cytometry.

Antigen References:

1. Hogg N, *et al.* 1984. *Immunology* 53-753.
2. Greenwalt DE, *et al.* 1992. *Blood* 80:1105.
3. Armsesilla AL, *et al.*1994. *J. Biol. Chem.* 269:18985.
4. Endemann G, *et al.* 1993. *J. Biol. Chem.* 268:11811.

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