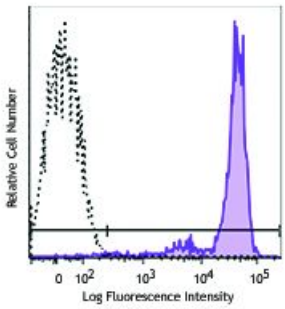
SONY

Product Data Sheet

APC/Fire™ 750 anti-human CD15 (SSEA-1)

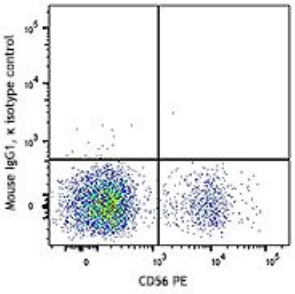
Catalog # / Size:	2215210 / 100 tests 2215205 / 25 tests
Clone:	W6D3
Isotype:	Mouse IgG1, κ
Immunogen:	WERI-RB-1 retinoblastoma cell line
Reactivity:	Human
Preparation:	The antibody was purified by affinity chromatography and conjugated with APC/Fire™ 750 under optimal conditions.
Formulation:	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% (w/v) BSA (origin USA).
Workshop Number:	HCDM listed
Concentration:	Lot-specific



Human peripheral blood granulocytes were stained with CD15 (clone W6D3) APC/Fire™ 750 (filled histogram) or mouse IgG1, κ APC/Fire™ 750 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 in 100 µl staining volume or 5 µl per 100 µl of whole blood. * APC/Fire™ 750 has a maximum excitation of 650 nm and a maximum emission of 787 nm.
Application Notes:	The 15-2 antibody blocks the interaction of MMR with its ligand, and inhibits mannose receptor-mediated degradation of t-PA by macrophages. Additional reported applications of this antibody (for the relevant formats) include: Western blotting[1], blocking of ligand binding[1,2], immunofluorescence[3], and immunohistochemical staining of acetone-fixed frozen tissue sections[1]. The Utra-LEAF™ purified antibody (Endotoxin < 0.01 EU/µg, Azide-Free, 0.2 µm filtered) is recommended for functional assays (Cat. No. 321149 and 321150).



Application References:
1. Noorman F, *et al.* 1997. *J. Leukocyte Biol.* 61:63. (WB, IHC, Block)
2. Barrett-Bergshoeff M, *et al.* 1997. *Thromb Haemost.* 77:718. (Block)
3. Kato M, *et al.* 2007. *J. Immunol.* 179:6052. (IF)

Description: CD15 is 3-fucosyl-N-acetyllactosamine (3-FAL) also known as Lewis X, 3-FAL, X-hapten, and SSEA-1. CD15 is expressed on granulocytes and monocytes. It has also been shown to be expressed on Langerhans cells. CD15 has been implicated in adhesion as well as chemotaxis, phagocytosis, and bactericidal activity.

Antigen References:
1. Stocks SC, *et al.* 1990. *Biochem. J.* 268:275.