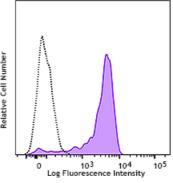
APC/Fire[™] 750 anti-human CD192 (CCR2)

Catalog # / Size:	2386135 / 25 tests 2386140 / 100 tests	Relative Cell Number
Clone:	K036C2	
lsotype:	Mouse IgG2a, к	
Immunogen:	CCR2 DNA immunogen	
Reactivity:	Human	
Preparation:	The antibody was purified by affinity chromatography and conjugated with APC/Fire™ 750 under optimal conditions.	Relati
Formulation:	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% (w/v) BSA (origin USA).	Human p monocyt CD192 (0
Concentration:	Lot-specific	



Human peripheral blood monocytes were stained with CD192 (CCR2, clone K036C2) APC/Fire[™] 750 (filled histogram) or Mouse IgG2a, 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 $^{\rm m}$ 750 has a maximum excitation of 650 nm and a maximum emission of 787 nm.

Description: CCR2 is a chemokine receptor that binds monocyte chemoattractant proteins (MCP-1, 2, 3 and 4). Two spliced variants were initially described for CCR2 (CCR2A and CCR2B). These variants differ in their terminal carboxyl tails. Monocyte adhesion to the arterial endothelium and subsequent migration into the intima are central events in the pathogenesis of atherosclerosis. CCR2 and MCP-1 have been associated to atherosclerotic plaques. MCP-1 is induced by modified-LDL in endothelial cells and may trigger firm adhesion of monocytes to vascular endothelium under flow conditions. Local overexpression of MCP-1 at vessel walls induces infiltration of macrophages and formation of atherosclerotic lesions. Obesity induces an inflammatory state that is implicated in many clinically important complications, including insulin resistance, diabetes, atherosclerosis, and non-alcoholic fatty liver disease. CCR2 influences the development of obesity and associated adipose tissue inflammation.

 Antigen
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 References:
 2. Papadopoulou C, et al. 2008. Cytokine 43:181.

 3. Barlic J, et al. 2007. J. Leukoc. Biol. 82:226.
 4. Gul. et al. 1998. Mol. Coll 2:275.

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