

# Anti-Human CD192-153Eu

Catalog: 3153023B

Package Size: 100 tests

Storage: Store product at 4°C. Do not freeze.

Reactivity: Human

Clone: K036C2

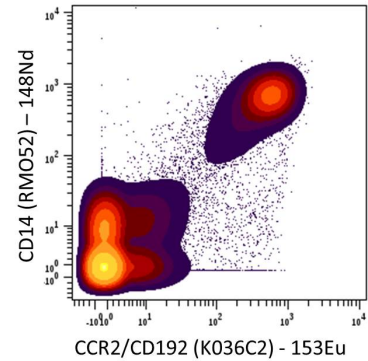
Isotype: Mouse IgG2a

Formulation: Antibody stabilizer with 0.05% Sodium Azide

## Technical Information

**Validation:** Each lot of conjugated antibody is quality control tested by CyTOF® analysis of stained cells using the appropriate positive and negative cell staining and/or activation controls.

**Recommended Usage:** The suggested use is 1 µl for up to 3 X 10<sup>6</sup> live cells in 100 µl. It is recommended that the antibody be titrated for optimal performance for each of the desired applications.



Human PBMCs stained with 148Nd-anti-CD14 (RM052) and 153Eu-anti-CCR2/CD192 (K036C2). Not T not B cells are displayed in the analysis.

## Description

The chemokine receptor CCR2 is expressed mainly by inflammatory monocytes, and binds two ligands, CCL2 and CCL7. CCR2 and its ligands play a role in recruiting inflammatory monocytes into target tissues, where they differentiate into proinflammatory and anti-inflammatory macrophages and promote tissue injury and remodeling, respectively. CCR2 and its ligands are also critically important in mobilizing monocytes from the bone marrow (BM) into the bloodstream under both physiological and pathological conditions. CCR2 has thus been recognized as an attractive potential target inhibition in the treatment of macrophage-mediated chronic diseases such as atherosclerosis.

## References

Bandura, D. R., et al. Mass Cytometry: Technique for Real Time Single Cell Multitarget Immunoassay Based on Inductively Coupled Plasma Time-of-Flight Mass Spectrometry. *Analytical Chemistry* 81:6813-6822, 2009.

Ornatsky, O. I., et al. Highly Multiparametric Analysis by Mass Cytometry. *J Immunol Methods* 361 (1-2):1-20, 2010.

### For technical support visit [fluidigm.com/support](http://fluidigm.com/support)

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