

# Anti-Human CD55-148Nd

Catalog: 3148015B

Package Size: 100 tests

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

Reactivity: Human

Clone: JS11

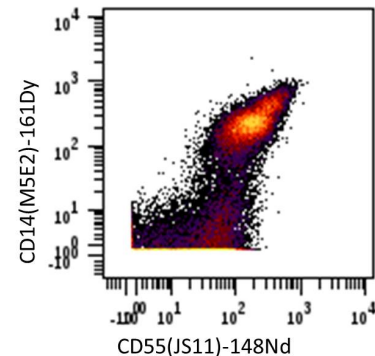
Isotype: IgG1

Formulation: Antibody stabilizer with 0.05% Sodium Azide

## Technical Information

**Validation:** Each lot of conjugated antibody is quality control tested by CyTOF<sup>®</sup> 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- CD55(JS11) and 161Dy-anti-CD14(M5E2). Total viable cells are displayed in the analysis.

## Description

The JS11 monoclonal antibody specifically binds to CD55, a 60-70 kD glycosylphosphatidylinositol (GPI)-anchored single chain glycoprotein, which is also known as decay-accelerating factor (DAF). CD55 is expressed on all cells in contact with serum including all hematopoietic cells and vascular endothelium. CD55 can also exist in a soluble form, which is present in plasma. CD55 is thought to contribute to the protection of cells from the damage by autologous complement through inhibition of the amplification steps of the complement cascade. There is also evidence that CD55 interacts with CD97 and can bind to Coxsackie and Echovirus.

## 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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