

## Anti-Human CD138-145Nd

**Catalog #:** 3145003B

**Package Size:** 100 tests

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

**Cross Reactivity:** Human

**Clone:** DL-101

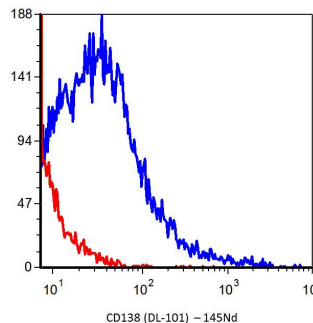
**Isotype:** Mouse IgG1

**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.



U266 (blue) and Jurkat (red) cells stained with 145Nd-anti-CD138 (DL-101).

### Description

CD138, also known as syndecan-1, is a type 1 transmembrane heparin sulfate proteoglycan. CD138 participates in cell proliferation, cell migration and cell-matrix adhesion. It is expressed on normal and malignant plasma cells, pre-B cells, epithelial cells and endothelial cells. It is not expressed by mature B cells.

### 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.

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