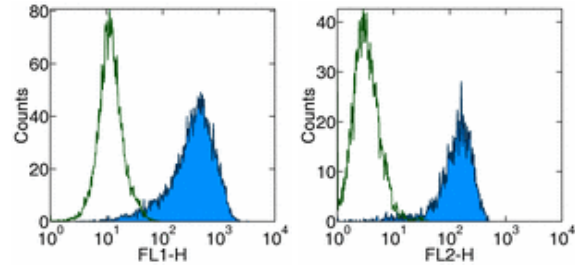


## Product Information

Contents: Affinity Purified anti-human CD138 (syndecan-1)  
Catalog Number: 14-1389  
Sizes: 25 ug, 100 ug  
Formulation: Phosphate buffer pH 7.2,  
150 mM NaCl, 0.09% NaN<sub>3</sub>  
Storage Conditions: Store at 4°C.  
Avoid repeated freeze/thaw cycles.  
Clone: DL-101  
Isotype: Mouse IgG1, κ  
HLDA No.: N/A



Surface staining of U266 cells with anti-human CD138 (DL-101) FITC (left), and PE (right). Autofluorescence is indicated by open histogram. Total viable cells were used for analysis.

Available Formats of This Product				
Cat. No.	Format	Excite (nm)	Emit (nm)	Reported Applications
11-1389	FITC anti-human CD138 (syndecan-1)	488	518	FC
12-1389	PE anti-human CD138 (syndecan-1)	488	575	FC
14-1389	Affinity Purified anti-human CD138 (syndecan-1)	N/A	N/A	FC IH/F

## Description

The DL-101 monoclonal antibody reacts with human CD138, also known as syndecan-1. CD138 is a transmembrane protein containing chondroitin sulfate and heparin sulfate moieties responsible for binding to the extracellular matrix components. CD138 is not expressed by mature B cells but is present on pre-B cells and the finally differentiated plasma cells.

## Usage

For research use only, not for diagnostic or therapeutic use. DL-101 has been reported for use in flow cytometric analysis, and immunohistochemical staining of frozen tissue sections.

## Applications Tested

The DL-101 antibody has been tested by flow cytometric analysis of human peripheral blood leukocytes. This can be used at less than or equal to 1 µg per 100 µl blood (or per 1 million cells in 100 µl total staining volume). It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

## Related Products

Cat. 11-1389 FITC anti-human CD138 (syndecan-1) (clone DL-101)  
Cat. 12-1389 PE anti-human CD138 (syndecan-1) (clone DL-101)  
Cat. 11-4011 FITC Anti-Mouse IgG  
Cat. 13-4013 Biotin Anti-Mouse IgG (clone Polyclonal)  
Cat. 11-4317 Streptavidin-FITC (Fluorescein isothiocyanate)  
Cat. 12-4317 Streptavidin-PE (Phycoerythrin)  
Cat. 17-4317 Streptavidin Allophycocyanin (SA-APC)  
Cat. 14-4714 Affinity Purified Mouse IgG1, K Isotype Control

## References

Personal communication, Merton Bernfield, M.D.

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