

# CD138 (Syndecan-1) Monoclonal Antibody (DL-101), FITC, eBioscience™

Product Details	
Size	100 Tests
Species Reactivity	Human
Published Species	Human, Rhesus monkey
Host/Isotype	Mouse / IgG1, kappa
Recommended Isotype Control	Mouse IgG1 kappa Isotype Control (P3.6.2.8.1), FITC, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	DL-101
Conjugate	FITC
Excitation/Emission Max	498/517 nm
Form	Liquid
Concentration	5 µL/Test
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2, with 0.2% BSA
Contains	0.09% sodium azide
Storage conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_11039872

Applications	Tested Dilution	Publications
Immunocytochemistry (ICC/IF)	-	1 Publication
Flow Cytometry (Flow)	5 µL (1 µg)/test	7 Publications

## Product Specific Information

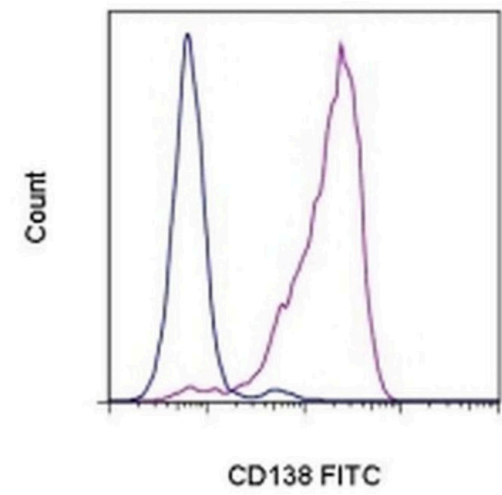
**Description:** The DL-101 monoclonal antibody reacts with human CD138, also known as syndecan-1. CD138 is a transmembrane protein containing chondroitin sulfate and heparin sulfate moieties responsible for binding to the extracellular matrix components. CD138 is not expressed by mature B cells but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

**Applications Reported:** DL-101 has been reported for use in flow cytometric analysis.

**Applications Tested:** This DL-101 antibody has been pre-titrated and tested by flow cytometric analysis of the U266 cell line. This can be used at 5 µL (1 µg) per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10<sup>5</sup> to 10<sup>8</sup> cells/test.

**Excitation:** 488 nm; **Emission:** 520 nm; **Laser:** Blue Laser.

**Filtration:** 0.2 µm post-manufacturing filtered.



**CD138 (Syndecan-1) Antibody (11-1389-42) in Flow**  
Staining of the U266 cell line with Mouse IgG1 K Isotype Control FITC (Product # 11-4714-42) (blue histogram) or Anti-Human CD138 (Syndecan-1) FITC (purple histogram). Total viable cells, as determined by Fixable Viability Dye eFluor® 660, were used for analysis.

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8 References

Immunocytochemistry (1)

<p>The Journal of clinical investigation</p> <p><b>Phosphorylation-mediated EZH2 inactivation promotes drug resistance in multiple myeloma.</b></p> <p>"Published figure using CD138 (Syndecan-1) monoclonal antibody (Product # 11-1389-42) in Immunocytochemistry"</p> <p>Authors: Kikuchi J,Koyama D,Wada T,Izumi T,Hofgaard PO,Bogen B,Furukawa Y</p>	<p><b>Year</b></p> <p>2015</p>
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Flow Cytometry (7)

<p>PLoS pathogens</p> <p><b>Highly efficient CRISPR-Cas9-mediated gene knockout in primary human B cells for functional genetic studies of Epstein-Barr virus infection.</b></p> <p>"Published figure using CD138 (Syndecan-1) monoclonal antibody (Product # 11-1389-42) in Flow Cytometry"</p> <p>Authors: Akidil E,Albanese M,Buschle A,Ruhle A,Pich D,Keppler OT,Hammerschmidt W</p>	<p><b>Year</b></p> <p>2021</p>
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<p>Nature communications</p> <p><b>Peli1 negatively regulates noncanonical NF-B signaling to restrain systemic lupus erythematosus.</b></p> <p>"Published figure using CD138 (Syndecan-1) monoclonal antibody (Product # 11-1389-42) in Flow Cytometry"</p> <p>Authors: Liu J,Huang X,Hao S,Wang Y,Liu M,Xu J,Zhang X,Yu T,Gan S,Dai D,Luo X,Lu Q,Mao C,Zhang Y,Shen N,Li B, Huang M,Zhu X,Jin J,Cheng X,Sun SC,Xiao Y</p>	<p><b>Year</b></p> <p>2018</p> <p><b>Species</b></p> <p>Human</p>
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