

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

Product Details	
Size	100 µg
Species Reactivity	Human
Published Species	Human
Host/Isotype	Mouse / IgG1, kappa
Class	Monoclonal
Type	Antibody
Clone	DL-101
Conjugate	Unconjugated
Form	Liquid
Concentration	0.5 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2
Contains	0.09% sodium azide
Storage conditions	4° C
RRID	AB_467489

Applications	Tested Dilution	Publications
Immunohistochemistry (Frozen) (IHC (F))	Assay-Dependent	-
Immunocytochemistry (ICC/IF)	-	1 Publication
Flow Cytometry (Flow)	1 µg/test	4 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, and immunohistochemical staining of frozen tissue sections.

Applications Tested: The DL-101 antibody has been tested by flow cytometric analysis of cell lines. This can be used at less than or equal to 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 10⁵ to 10⁸ cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

Purity: Greater than 90%, as determined by SDS-PAGE.

Aggregation: Less than 10%, as determined by HPLC.

Filtration: 0.2 µm post-manufacturing filtered.

5 References

Immunocytochemistry (1)

The Journal of clinical investigation

Phosphorylation-mediated EZH2 inactivation promotes drug resistance in multiple myeloma.

"Published figure using CD138 (Syndecan-1) monoclonal antibody (Product # 14-1389-82) in Immunocytochemistry"

Authors: Kikuchi J, Koyama D, Wada T, Izumi T, Hofgaard PO, Bogen B, Furukawa Y

Species

Not Applicable

Dilution

Not Cited

Year

2015

Flow Cytometry (4)

PLoS pathogens

Highly efficient CRISPR-Cas9-mediated gene knockout in primary human B cells for functional genetic studies of Epstein-Barr virus infection.

"Published figure using CD138 (Syndecan-1) monoclonal antibody (Product # 14-1389-82) in Flow Cytometry"

Authors: Akidil E, Albanese M, Buschle A, Ruhle A, Pich D, Keppler OT, Hammerschmidt W

Species

Not Applicable

Dilution

Not Cited

Year

2021

Nature communications

Peli1 negatively regulates noncanonical NF- κ B signaling to restrain systemic lupus erythematosus.

"Published figure using CD138 (Syndecan-1) monoclonal antibody (Product # 14-1389-82) in Flow Cytometry"

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

Species

Human

Dilution

Not Cited

Year

2018

[View more Flow references on thermofisher.com](#)

More applications with references on thermofisher.com

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