
Anti-Human CD138 (Syndecan-1) Purified

Catalog Number: 14-1389

RUO: For Research Use Only. Not for use in diagnostic procedures.

Product Information

Contents: Anti-Human CD138 (Syndecan-1) Purified

 **Catalog Number:** 14-1389

Clone: DL-101

Concentration: 0.5 mg/mL

Host/Isotype: Mouse IgG1, kappa

HLDA Workshop: N/A

Formulation: aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer



Temperature Limitation: Store at 2-8°C.



Batch Code: Refer to Vial



Use By: Refer to Vial



Caution, contains Azide

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.

References

Fitzgerald ML, Wang Z, Park PW, Murphy G, Bernfield M. Shedding of Syndecan-1 and -4 Ectodomains Is Regulated by Multiple Signalling Pathways and Mediated by a TMIP-3 Metalloproteinase. *J Cell Biol.* 2000 Feb 21;148(4):811-24.

Kainulainen V, Wang H, Schick C, Bernfield M. Syndecans, Heparan Sulfate Proteoglycans, Maintain the Proteolytic Balance of Wound Fluids. *J Biol Chem.* 1998 May 8;273(19):11563-9.

Related Products

11-4011 Anti-Mouse IgG FITC

14-4714 Mouse IgG1 K Isotype Control Purified (P3.6.2.1)

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