



# Mouse Anti-Human CD138 monoclonal antibody, clone JID249 (CABT-L2885)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Product Overview</b>	This antibody is intended for qualified laboratories to qualitatively identify by light microscopy the presence of associated antigens in sections of formalin-fixed, paraffin-embedded tissue sections using IHC test methods.
<b>Specificity</b>	Human CD138
<b>Isotype</b>	IgG
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Clone</b>	JID249
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	IHC
<b>Reconstitution</b>	<p>The prediluted antibody does not require any mixing, dilution, reconstitution, or titration; the antibody is ready-to-use and optimized for staining.</p> <p>The concentrated antibody requires dilution in the optimized buffer, to the recommended working dilution range.</p>
<b>Positive Control</b>	Tonsil
<b>Format</b>	Liquid
<b>Size</b>	Predilute: 7 ml, Concentrate: 100 µl, Concentrate: 1 ml
<b>Buffer</b>	<p>Predilute: Antibody Diluent Buffer</p> <p>Concentrate: Tris Buffer, pH 7.3 - 7.7, with 1% BSA</p>

<b>Preservative</b>	< 0.1% Sodium Azide
<b>Storage</b>	Store at 2-8°C. Do not freeze.
<b>Ship</b>	Wet ice

## BACKGROUND

<b>Introduction</b>	Cluster of differentiation 138 (CD138), also known as Syndecan-1, is a transmembrane glycoprotein present on the surface of B-cells during late stage differentiation. Anti-CD138 is used to differentiate marginal zone lymphoma from lymphoplasmacytic lymphoma. ALK+ Large B-Cell Lymphoma (LBCL) commonly stains positively for CD138, but not for CD20 and CD79a. Anti-CD138 reacts positively with HHV8-associated primary effusion lymphoma that lack B-cell markers. CD138 is also a useful marker for identifying and enumerating benign, reactive, or malignant plasma cells from the bone marrow biopsy samples.
<b>Keywords</b>	SDC1;syndecan 1;SDC;CD138;SYND1;syndecan;syndecan-1;CD138 antigen;syndecan proteoglycan 1;heparan sulfate proteoglycan fibroblast growth factor receptor;

## GENE INFORMATION

<b>Gene Name</b>	SDC1 syndecan 1 [ Homo sapiens (human) ]
<b>Official Symbol</b>	SDC1
<b>Synonyms</b>	SDC1; syndecan 1; SDC; CD138; SYND1; syndecan; syndecan-1; CD138 antigen; syndecan proteoglycan 1; heparan sulfate proteoglycan fibroblast growth factor receptor;
<b>Entrez Gene ID</b>	<a href="#">6382</a>
<b>Protein Refseq</b>	NP_001006947
<b>UniProt ID</b>	<a href="#">P18827</a>
<b>Chromosome Location</b>	2p24.1
<b>Pathway</b>	A tetrasaccharide linker sequence is required for GAG synthesis; Arf6 trafficking events; Cell adhesion molecules (CAMs); Chondroitin sulfate/dermatan sulfate metabolism; Chylomicron-mediated lipid transport; Defective B3GAT3 causes JDSSDHD; Defective B4GALT1 causes B4GALT1-CDG (CDG-2d); Defective B4GALT7 causes EDS, progeroid type;
<b>Function</b>	glycoprotein binding; protein C-terminus binding; protein binding;