

## CD138 Recombinant Rabbit Monoclonal Antibody

**Cat: HKZ150153**
**Company: HaoKebio**
**Uniprot ID:** P18827

**Organism:** Rabbit

**Species reactivity:** Human

**Predicted Molecular Weight:** 32 kDa

**Applications:** IHC: 1:100-1:200

IHC-Polymer: 1:400-1:800

TSA: 1:500-1:1000

### Background:

CD138 (Syndecan-1) is one of the four transmembrane glycoproteins in the syndecan (multimeric proteoglycan) family, capable of binding heparan sulfate and chondroitin sulfate molecules. Under normal conditions, CD138 is primarily expressed in early precursor B cells, mature plasma cells, and various epithelial cells, while other lymphocytes are negative. In hematopoietic and lymphoid system tumors, CD138 is expressed in almost all cases of plasma cell malignancies. CD138 is a highly sensitive and specific marker for identifying plasma cells and their differentiation in benign and neoplastic hematopoietic and lymphoid tissues.

### Protein full name:

Syndecan-1

### Synonyms:

Syndecan, SYND1, SDC1

### Immunogen:

A synthetic peptide corresponding to amino acid residues 200–300 of CD138 was used as the immunogen.

### Isotype:

IgG

### Subcellular location:

Cell membrane/Cytoplasm

### Purity:

Affinity purification

### Form:

Liquid

### Storage Buffer:

59% PBS, 0.01% sodium azide, 40% glycerol, 0.05% BSA.

### Storage:

Ship on blue ice. Upon receipt, aliquot and store at -25°C to -18°C. Avoid repeated freeze-thaw cycles.

### Experimental procedure:

Antigen retrieval using Tris-EDTA buffer (pH 9.0); primary antibody incubation at room temperature (18 °C – 25 °C) for 30 minutes.

### Images:



Immunohistochemical results of CD138-labeled plasmacytoma tissue (formalin-fixed, paraffin-embedded sections) using HKZ150153. Tris-EDTA buffer (pH 9.0) was used for antigen retrieval.

### Source of Reagents:

1. Nunez AL, et.al, Am J Clin Pathol. 2012 Mar;137(3):423-8.
2. O'Connell FP, et.al, Am J Clin Pathol. 2004 Feb;121(2):254-63.

### Source of Reagents:

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发表[英文论文]请标注: CD138 (HKZ150153) were kindly provided by Hangzhou Haoke Biotechnology Co., Ltd.

