

CD138 Recombinant Rabbit Monoclonal Antibody Product Datasheet

Catalog# BX50352

Clone# BP6320

Predicted Molecular Wt: 32kDa
Species Cross-reactivity: Human
Applications: IHC-P

Purity: ProA affinity purified IgG
Form: Liquid
Swissprot ID: P18827

Background:

CD138 (syndecan-1) is a member of the syndecan family of four transmembrane spanning proteins capable of binding to heparan sulfate and chondroitin sulfate molecules. The syndecans' main functions are to control cell growth and differentiation as well as to maintain cell adhesion and cell migration.

Under normal conditions CD138 is predominantly expressed on mature plasma cells and early preB-cells, while other haematolymphoid cells are negative. Various types of epithelial cells are also CD138 positive. Among haematolymphoid neoplasms, CD138 is expressed in practically all cases of plasma cell malignancies. Among nonhaematolymphoid neoplasms the expression of CD138 is found in various types of carcinoma.

CD138 is a sensitive and specific marker for identification of plasma cells and plasma cell differentiation within haematolymphoid tissues in benign and neoplastic conditions.

Subcellular location:

Membrane and cytoplasm

Recommended Method:

Heat induced epitope retrieval with Tris-EDTA buffer (pH 9.0), primary antibody incubate at RT (18°C-25°C) for 30 minutes.

Immunogen:

Synthetic peptide. This information is proprietary to Biolynx.

Storage Buffer:

PBS 59%, Sodium azide 0.01%, Glycerol 40%, BSA 0.05%.

Storage Conditions:

-25°C to -18°C

Shipment Instructions:

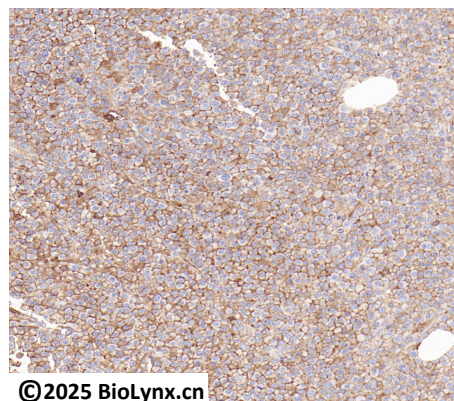
Shipped on blue ice. Upon delivery store at -25°C to -18°C. Avoid freeze / thaw cycles.

Recommended Dilution:

IHC-P: 1:100-1:200

Background References:

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



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human plasmacytoma labelling CD138 with BP6320.

Product QC'd by:



For research use only. Not for use in diagnostic or therapeutic applications.