

## 10-12533: Mouse Monoclonal Antibody to CD38(Clone :BS3)

|                           |            |
|---------------------------|------------|
| <b>Clonality :</b>        | Monoclonal |
| <b>Clone Name :</b>       | BS3        |
| <b>Application :</b>      | IHC        |
| <b>Reactivity :</b>       | Human      |
| <b>Gene :</b>             | Cd38       |
| <b>Gene ID :</b>          | 12494      |
| <b>Uniprot ID :</b>       | P56528     |
| <b>Alternative Name :</b> | T10, CD38  |

### Description

CD38 is a type II integral membrane glycoprotein which is present on early B and T cell lineages and activated B and T cells but is absent from most mature resting peripheral lymphocytes. CD38 is also found on thymocytes, pre-B cells, germinal center B cells, mitogen-activated T cells, monocytes and Ig-secreting plasma cells. CD38 acts as a NAD glycohydrolase in T lymphocytes. On hematopoietic cells CD38 induces activation, proliferation, and differentiation of mature T and B cells and mediates apoptosis of myeloid and lymphoid progenitor cells. In addition to acting as a signaling receptor, CD38 is also an enzyme capable of producing several calcium-mobilizing metabolites, including cyclic adenosine diphosphate ribose (cADPR). CD38 also plays a role in maintaining survival of an invariant NK T (iNKT) cell subset that preferentially contributes to the maintenance of immunological tolerance.

### Product Info

|                            |                                     |
|----------------------------|-------------------------------------|
| <b>Amount :</b>            | 0.1 ml / 0.5 ml                     |
| <b>Content :</b>           | TRIS with 0.03% sodium azide, pH7.2 |
| <b>Storage condition :</b> | Store at 4°C                        |

### Application Note

Immunohistochemical Analysis :-1:200

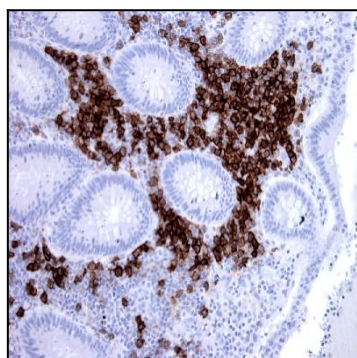


Figure-1: Appendix section has been stained using CD38 antibody (Clone: BS3) with 1:200 dilution. Strong membranous staining observed from plasma cells.

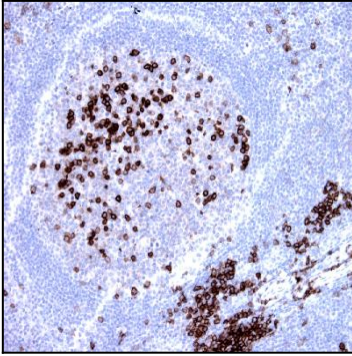


Figure-2: Tonsil section have been stained using CD38 antibody (Clone: BS3) with 1:200 dilution. Strong membranous staining observed from scattered B cells in germinal center and plasma cells.

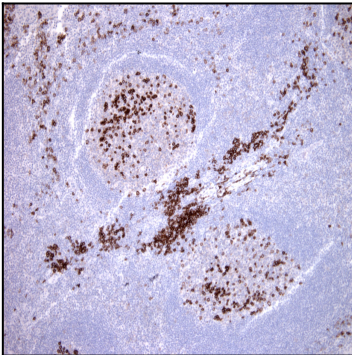


Figure-3: Tonsil section have been stained using CD38 antibody (Clone: BS3) with 1:200 dilution. Strong membranous staining observed from scattered B cells in germinal center and plasma cells.