# CD38 (ADP Ribosyl Cyclase I) Antibody

Mouse Monoclonal Antibody [Clone CD38/9333]

| Catalog No | Format | Size |
|---|---|---|
| 952-MSM23-P1ABX | Purified Ab WITHOUT BSA and Azide at 1.0mg/ml | 100 ug |
| 952-MSM23-P1 | Purified Ab with BSA and Azide at 200ug/ml | 100 ug |
| 952-MSM23-P0 | Purified Ab with BSA and Azide at 200ug/ml | 20 ug |

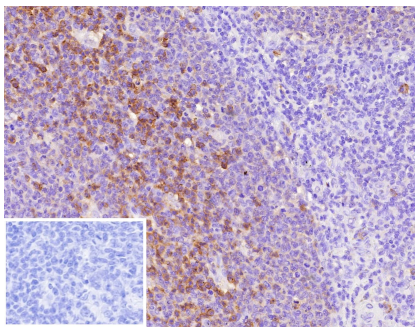
| Applications | Tested Dillution | Note |
|---|---|---|
| Immunohistochemistry (IHC) | 1-2ug/ml | 30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes |
| Western Blot (WB) | 2-4ug/ml | |

## Product Details

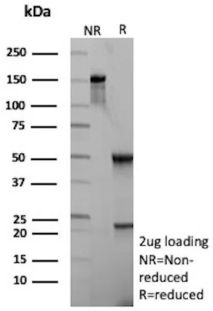
| | |
|---|---|
| **Clone** | CD38/9333 |
| **Gene Name** | CD38 |
| **Immunogen** | Recombinant fragment (around aa1-200) of human CD38 protein (exact sequence is proprietary) |
| **Host** | Mouse |
| **Clonality** | Monoclonal |
| **Isotype / Light Chain** | IgG1 / Kappa |
| **Mol. Weight of Antigen** | ~45kDa (Glycoprotein); 35kDa (protein core) |
| **Cellular Localization** | Membrane |
| **Species Reactivity** | Human |
| **Positive Control** | Raji cells. Human tonsil, spleen or skin. brain. |

**Optimal dilution for a specific application should be determined.*

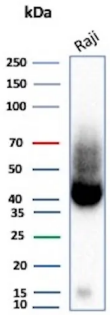
## Product Images for CD38 (ADP Ribosyl Cyclase I) Antibody



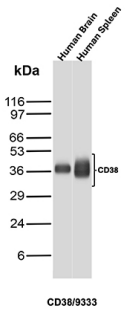
Formalin-fixed, paraffin-embedded human tonsil stained with CD38 Mouse Monoclonal Antibody (CD38/9333). Inset: PBS instead of primary antibody; secondary only negative control.



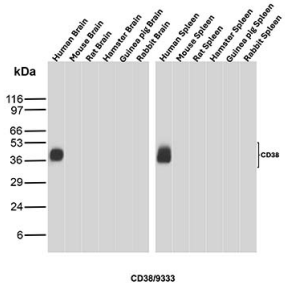

SDS-PAGE Analysis of Purified CD38 Mouse Monoclonal Antibody (CD38/9333). Confirmation of Purity and Integrity of Antibody.



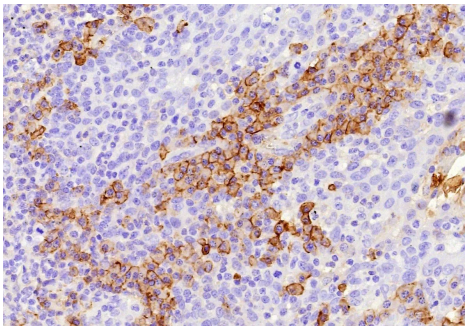

Western Blot Analysis of human Raji lysate using CD38 Mouse Monoclonal Antibody (CD38/9333).




Western Blot Analysis of human brain and human spleen lysates using CD38 Mouse Monoclonal Antibody (CD38/9333).




Western blot analysis of human brain and spleen tissue lysates using CD38 Recombinant Mouse Monoclonal Antibody (rCD38/9333).



Formalin-fixed, paraffin-embedded human tonsil stained with CD38 Mouse Monoclonal Antibody (CD38/9333). HIER: Tris/EDTA, pH9.0, 45min. 2°: HRP-polymer, 30min. DAB, 5min.

## Specificity & Comments

CD38 is a type II transmembrane glycoprotein that 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 is expressed on CD34+ cells. The CD34+CD38- population of hematopoietic stems cells define the most pluripotent cells (e.g. blast colony forming cells).

## Supplied As

200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

## Storage and Stability

Antibody with azide - store at 2 to 8 °C. Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

## Research Areas

B Cell Markers, Hematopoietic Stem Cells

## Limitations and Warranty

This antibody is available for research use only and is not approved for diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.

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