

## 45-1099: Mouse Monoclonal Antibody to Human CD38 (Clone : 38.F2) (Discontinued)

|                                |   |
|--------------------------------|---|
| <b>Clonality :</b>             | Monoclonal  |
| <b>Clone Name :</b>            | 38.F2   |
| <b>Application :</b>           | ELISA   |
| <b>Gene :</b>                  | CD38  |
| <b>Gene ID :</b>               | 952   |
| <b>Uniprot ID :</b>            | P28907  |
| <b>Format :</b>                | Purified  |
| <b>Alternative Name :</b>      | 2'-phospho-ADP-ribosyl cyclase, 2'-phospho-cyclic-ADP-ribose transferase, ADP-ribosyl cyclase cyclic ADP-ribose hydrolase, cyclic ADP-ribose hydrolase ADPRC cADPr hydrolase CD38, CD38 antigen (p45), CD38 antigen p45, cluster of differentiation 38, Cyclic ADP-ribose hydrolase cyclic ADP-ribose hydrolase 5, ecto-nicotinamide adenine dinucleotide glycohydrolase, NAD(+) nucleosidase, NAD+ nucleosidase, T10 |
| <b>Isotype :</b>               | Mouse IgG1,Kappa  |
| <b>Immunogen Information :</b> | Recombinant human CD38  |

### Description

CD38 glycoprotein is a particularly attractive target on malignant plasma cells at all stages of disease and in Chronic lymphocytic leukemia (also called CLL) patients with a poor clinical prognosis. It is highly expressed in lymphoid tumors including multiple myeloma, AIDS-associated lymphomas, and post-transplant lymphoproliferation. In contrast, the molecule is detectable only at very low levels in mature lymphocytes or in nonhematopoietic tissues. Therputic Anti-CD38 antibodies (e.g. Daratumumab) can induce strong antibody-dependent cellular cytotoxicity and complement-dependent cytotoxicity to kill tumors. Anti-Human CD38 Antibody (38.F2), mAb, Mouse is produced from a hybridoma resulting from the fusion of SP2/0 myeloma and B-lymphocytes obtained from a mouse immunized with recombinant human CD38.

### Product Info

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|----------------------------|--|
| <b>Amount :</b>            | 40 µg  |
| <b>Purification :</b>      | Protein A chromatography   |
| <b>Content :</b>           | 0.5 mg/ml, lyophilized with PBS, pH 7.4, containing 0.02% sodium azide.  |
| <b>Storage condition :</b> | The antibody is stable in lyophilized form if stored at -20°C or below. The reconstituted antibody can be stored for 2-3 weeks at 2-8°C. For long term storage, aliquot and store at -20°C or below. Avoid repeated freezing and thawing cycles. |

### Application Note

ELISA detection: 0.01-0.1 µg/ml  
Flow cytometry: 5 -7 µg/ml

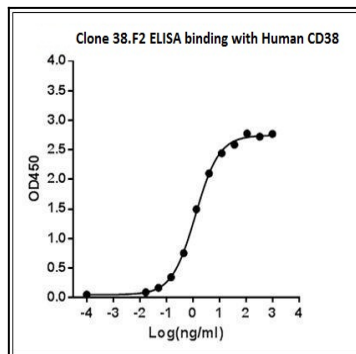


Figure-1 : ELISA binding of CD38 antibody (Clone: 38.F2) with Human CD38 recombinant protein, Coating antigen: Human CD38 recombinant protein at 1  $\mu$ g/ml, CD38 antibody dilution start from 1000 ng/ml, EC50= 1.268 ng/ml.

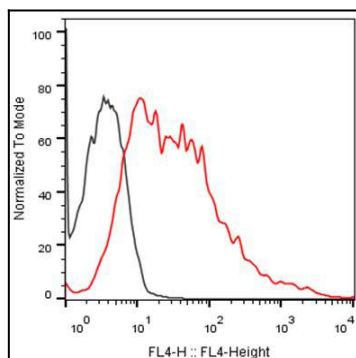


Figure-2 : Flow cytometric analysis of CD38 Antibody (Clone: 38.F2) on CHO-K1/Human CD38 stable cell line expressing CD38 (Red histogram) and CHO negative control cell (Black histogram) at 5  $\mu$ g/ml,  $2.5 \times 10^6$  cells/reaction, iFluor647 conjugated Goat Anti-Mouse IgG used as Secondary Antibody.