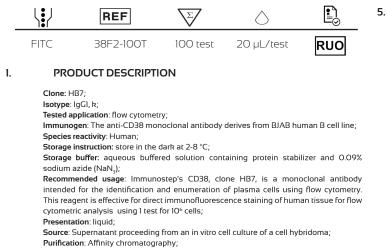
# Anti-Human CD38 (HB7)





Other names: TIO, ADPribosyl cyclase, and cyclic ADP ribose hydrolase 1; Gene ID: 952;

Molecular weight: 45 kDa.

## 2. ANTIGEN DETAILS

Large description: The HB7 monoclonal antibody reacts with the human CD38 molecule, a type II transmembrane protein. Expression of CD38 is bimodal during B cell development, modulating from high in immature cells to low in intermediate ones and back to high on mature B cells. Additionally CD38 is found in a variety of tissues and other hematopoietic cell.

The CD38 antigen acts as a bifunctional ectoenzyme that catalyzes both the synthesis and the hydrolysis of a Ca++ mobilizing agent, cyclic ADP-ribose. This intracellular calcium plays an important role in cell signaling pathways.<sup>(1-4)</sup>

### 3. WARRANTY

Warranted only to conform to the quantity and contents stated on the label or in the product labelling at the time of delivery to the customer. Immunostep disclaims hereby other warranties.

Immunostep's sole liability is limited to either the replacement of the products or refund of the purchase price.

#### 4. ADDITIONAL INFORMATION

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## REFERENCES

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- Jackson DG, Bell JI. Isolation of a cDNA encoding the human CD38 (TI0) molecule, a cell surface glycoprotein with an unusual discontinuous pattern of expression during lymphocyte differentiation. J Immunol1990 Apr 1;144(7):2811-5.
- Terstappen LW, Huang S, Safford M, Lansdorp PM, Loken MR. Sequential generations of hematopoietic colonies derived from single nonlineage-committed CD34+CD38progenitor cells. Blood1991 Mar 15;77(6):1218-27.

## 6. EXPLANATION OF SYMBOLS

	Form
REF	Catalog reference
$\sum_{i=1}^{n}$	Contains sufficient for <n> test</n>
$\bigcirc$	Quantity per test
	Regulatory Status
RUO	Research Use Only
	Manufacturer

7. MANUFACTURED BY:

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