

## 30-2605: Anti-Human CD268 FITC (Clone : 11C1)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	11C1
<b>Application :</b>	FACS
<b>Reactivity :</b>	Human
<b>Conjugate :</b>	FITC
<b>Gene :</b>	TNFRSF13C
<b>Gene ID :</b>	115650
<b>Alternative Name :</b>	TNFRSF13C, BAFFR, CVID4, BAFF-R, BROMIX, prolixin, TNF receptor superfamily member 13C
<b>Isotype :</b>	Mouse IgG1 kappa
<b>Immunogen Information :</b>	human CD268-transfected murine L1.2 cells

### Description

CD268 / BAFF R is a TNFR family receptor that binds the B-cell-activating factor (CD257 / BAFF). Splice variants of CD268 have been observed both in man and mouse. A naturally occurring mutation of CD268 in A/WySnJ mice is associated with low number of mature B cells, but with normal B cell precursors. The role of BAFF in B-cell survival and activation make CD268 a potential diagnostic reagent. It may be involved in survival of B-cell malignancies. Experimental administration of a CD268-Fc fusion protein suppresses antibody responses. In T cells the CD268 costimulates their activation and proliferation. Defects in CD268 cause the common variable immunodeficiency 4 (CVID4).

Specificity : The mouse monoclonal antibody 11C1 recognizes an extracellular epitope of CD268 / BAFF R (B cell-activating factor receptor), a 19 kDa type III transmembrane protein expressed on resting B cells and CD4-positive T cells, but down regulated after activation.

### Product Info

<b>Amount :</b>	100 tests
<b>Purification :</b>	The purified antibody is conjugated with fluorescein isothiocyanate (FITC) under optimum conditions. The conjugate is purified by size-exclusion chromatography.
<b>Content :</b>	Formulation : Stabilizing phosphate buffered saline (PBS) solution containing 15 mM sodium azide
<b>Storage condition :</b>	Store in the dark at 2-8°C. Do not freeze. Avoid prolonged exposure to light.

### Application Note

Flow cytometry: The reagent is designed for analysis of human blood cells using 4  $\mu\text{l}$  reagent / 100  $\mu\text{l}$  of whole blood or  $10^6$  cells in a suspension. The content of a vial (0.4 ml) is sufficient for 100 tests.

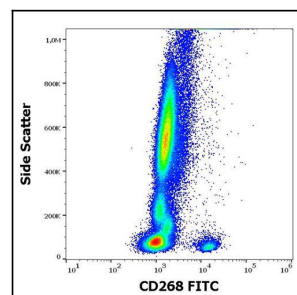


Figure 1 : Flow cytometry surface staining pattern of human peripheral whole blood stained using anti-human CD268 (11C1) FITC antibody (10  $\mu\text{l}$  reagent / 100  $\mu\text{l}$  of peripheral whole blood).

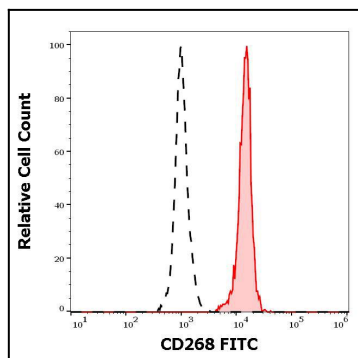


Figure 2 : Separation of human CD268 positive lymphocytes (red-filled) from CD268 negative lymphocytes (black-dashed) in flow cytometry analysis (surface staining) stained using anti-human CD268 (11c1) FITC antibody (10  $\mu$ l reagent / 100  $\mu$ l of peripheral whole blood).