

## 10-4162-F: Monoclonal Antibody to CD20 (Clone: ABM46C7)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	ABM46C7
<b>Application :</b>	FACS
<b>Reactivity :</b>	Human
<b>Conjugate :</b>	FITC
<b>Gene :</b>	MS4A1
<b>Gene ID :</b>	931
<b>Uniprot ID :</b>	P11836
<b>Format :</b>	Purified
<b>Alternative Name :</b>	MS4A1,CD20
<b>Isotype :</b>	Mouse IgG2b Kappa
<b>Immunogen Information :</b>	A partial length recombinant protein corresponding to extra cellular domain of CD20 was used as the immunogen for this antibody.

### Description

CD20 is clinically validated as an immunotherapy target for B-cell lymphomas and autoimmune diseases. CD20 consists of large, intracellular, amino- and carboxyterminal portions connected by 4 membrane-spanning domains. Its high expression on malignant B cells and its reported lack of shedding from the surface make CD20 an ideal target for antibody-mediated killing. Anti-CD20 antibodies are believed to mediate the therapeutic effect by activation of complement-dependent cytotoxicity (CDC) and largely by antibody-dependent cellular cytotoxicity exerted by recruitment of innate immune effector cells expressing the Fcγ receptor IIIa.

### Product Info

<b>Amount :</b>	25 µg / 100 µg
<b>Purification :</b>	Protein G Chromatography
<b>Content :</b>	0.2 mg/ml in Tris buffer containing 0.05% sodium azide.
<b>Storage condition :</b>	Store the antibody at 4°C; stable for 6 months.

### Application Note

FACS : 0.5 µg / 10<sup>6</sup> cells

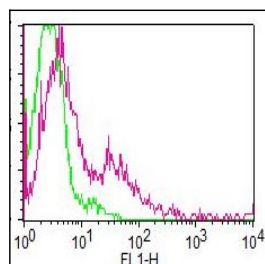


Fig-1: Cell surface flow analysis of hCD20 in PBMC using 0.5 µg/10<sup>6</sup> cells. Green represents isotype control (ABEOmics); red represents FITC conjugated anti-hCD20 antibody (10-4162F).