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## 10-4155: Monoclonal Antibody to CD20 (Clone: B9E9)

Clonality: Monoclonal

Clone Name: B9E9
Application: FACS
Reactivity: Human
Gene: MS4A1
Gene ID: 931
Uniprot ID: P11836
Format: Purified

Alternative Name:

B-lymphocyte antigen CD20,B-lymphocyte surface antigen B1,Bp35,Leukocyte surface

antigen Leu-16, Membrane-spanning 4-domains subfamily A member 1, CD\_antigen: CD20

**Isotype:** Mouse IgG2a, Kappa

**Immunogen Information:** Lymphoblastoid cell line Daudi 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 Fcgamma receptor Illa.

## **Product Info**

**Amount :**  $25 \mu g / 100 \mu g$ 

**Purification:** Protein G Chromatography

Content: 25 µg in 50 µl/100 µg in 200 µl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium

azide is highly toxic.

**Storage condition :** Store the antibody at 4°C, stable for 6 months. For long-term storage, store at -20°C. Avoid

repeated freeze and thaw cycles.

## **Application Note**

FACS: 0.5-1 µg/10^6 cells



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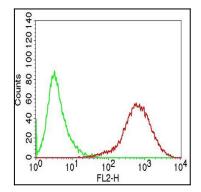


Fig-1: Cell surface flow analysis of hCD20 on Raji cells using 0.5  $\mu$ g/ 10^6 cells. Green represents isotype control (ABEOMICS); red represents anti-CD20 antibody (10-4155). Goat anti-mouse PE conjugated secondary antibody (ABEOMICS) was used.