

**36-1896: Monoclonal Antibody to CD20 / MS4A1 (B-Cell Marker)(Clone : 109-3C2)**

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	109-3C2
<b>Application :</b>	Functional Assay,Azide,ELISA
<b>Reactivity :</b>	Human
<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 IgG3, kappa
<b>Immunogen Information :</b>	Stimulated human leukocytes

**Description**

Recognizes a protein of 30-33kDa, which is identified as CD20 (Workshop V; Code CD20.12. Workshop IV; Code B17). It recognizes an extracellular domain of CD20. It is a non-Ig differentiation antigen of B-cells and its expression is restricted to normal and neoplastic B-cells, being absent from all other leukocytes and tissues. CD20 is expressed by pre B-cells and persists during all stages of B-cell maturation but is lost upon terminal differentiation into plasma cells. The protein passes through the membrane 4 times with both ends in cytoplasm and exposes one short and one longer loop to the external environment. CD20 is not glycosylated in resting B-cells and its cytoplasmic domains are differentially phosphorylated upon activation. It acts as calcium channel involved in B cell activation and cell cycle progression.

**Product Info**

<b>Amount :</b>	100 µg
<b>Purification :</b>	Affinity Chromatography
<b>Content :</b>	100 µg in 500 µl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly toxic.
<b>Storage condition :</b>	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**

Functional Studies (Order Ab without BSA & Azide); ,ELISA (For coating, order antibody without BSA);,