

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

Clonality :	Monoclonal
Clone Name :	109-3C2
Application :	Functional Assay,Azide,ELISA
Reactivity :	Human
Gene :	MS4A1
Gene ID :	931
Uniprot ID :	P11836
Format :	Purified
Alternative Name :	MS4A1,CD20
Isotype :	Mouse IgG3, kappa
Immunogen Information :	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

Amount :	100 µg
Purification :	Affinity Chromatography
Content :	100 µg in 500 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

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