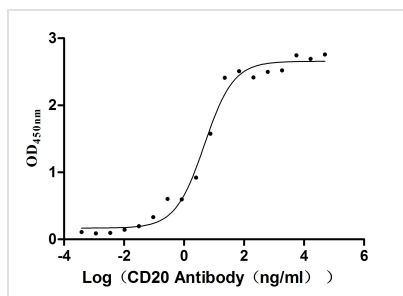




# MS4A1 Recombinant Monoclonal Antibody

<b>Product Code</b>	CSB-RA015007A1HU
<b>Storage</b>	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
<b>Uniprot No.</b>	P11836
<b>Immunogen</b>	Recombinant Human MS4A1 protein
<b>Species Reactivity</b>	Human
<b>Tested Applications</b>	ELISA
<b>Form</b>	Liquid
<b>Conjugate</b>	Non-conjugated
<b>Storage Buffer</b>	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
<b>Purification Method</b>	Affinity-chromatography
<b>Isotype</b>	hIgG1
<b>Clonality</b>	Monoclonal
<b>Product Type</b>	Recombinant Antibody
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Research Area</b>	Immunology
<b>Gene Names</b>	MS4A1
<b>Clone No.</b>	8A9

## Image



The Binding Activity of Human CD20 with Anti-CD20 recombinant Antibody  
Activity: Measured by its binding ability in a functional ELISA. Immobilized Human CD20 (CSB-MP01<sub>50</sub>07HU) at 2 µg/mL can bind Anti-CD20 recombinant antibody, the EC<sub>50</sub> is 3.243-7.085 ng/mL.

## Description

The generation of the MS4A1 recombinant monoclonal antibody involves a meticulous step-by-step process to ensure its exceptional quality and specificity. It begins with the isolation of B cells from an immunized animal, where the recombinant human MS4A1 protein is used as the immunogen. Total RNA is extracted from these B cells and converted into cDNA through reverse transcription. The MS4A1 antibody genes are then amplified using specific primers designed for the antibody constant regions and inserted into an expression vector. This vector is subsequently introduced into host cells via transfection to facilitate the production of the MS4A1 recombinant monoclonal antibody. After a period of cell culture, the antibody is harvested from the



supernatant and purified using affinity chromatography, resulting in a highly purified form suitable for various applications. ELISA is conducted to validate the antibody's specificity and functionality in detecting human MS4A1 protein. This stringent production process ensures the generation of a reliable and effective MS4A1 recombinant monoclonal antibody, essential for a wide range of MS4A1-related research.