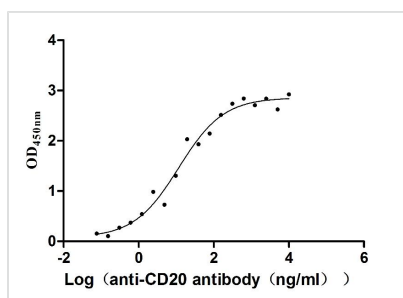




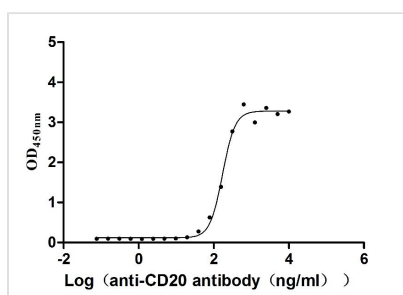
# MS4A1 Recombinant Monoclonal Antibody

<b>Product Code</b>	CSB-RA015007MA3HU
<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, Dog, Macaca fascicularis
<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>	5D4

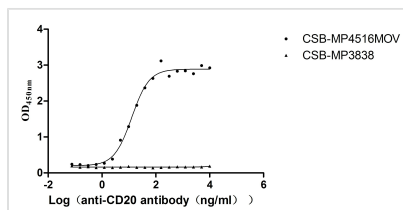
## Image



The Binding Activity of Human MS4A1 with Anti-MS4A1 recombinant antibody  
Activity: Measured by its binding ability in a functional ELISA. Immobilized Human MS4A1 (CSB-MP015007HU) at 5 µg/mL can bind Anti-MS4A1 recombinant antibody, the EC<sub>50</sub> is 6.959-19.70 ng/mL.



The Binding Activity of Dog MS4A1 with Anti-MS4A1 recombinant antibody  
Activity: Measured by its binding ability in a functional ELISA. Immobilized Dog MS4A1 (CSB-MP661636DO) at 10 µg/mL can bind Anti-MS4A1 recombinant antibody, the EC<sub>50</sub> is 147.3-199.0 ng/mL.



The Binding Activity of Macaca fascicularis CD20 with Anti-CD20 recombinant antibody Activity: Measured by its binding ability in a functional ELISA. Immobilized Macaca fascicularis CD20 (CSB-MP4516MOV) at 10  $\mu$ g/mL can bind Anti-CD20 recombinant antibody, the  $EC_{50}$  is 10.65-15.26 ng/mL. The VLPs (CSB-MP3838) is negative control.

## Description

CUSABIO conducted a meticulous production process to generate the MS4A1 recombinant monoclonal antibody. First, B cells were isolated from the spleen of an immunized animal, using recombinant human MS4A1 protein as the immunogen. Following that, RNA was extracted from the B cells and converted into cDNA through reverse transcription. Using the cDNA as a template, the gene encoding the MS4A1 antibody was amplified with a degenerate primer and inserted into a vector. The recombinant vector was then transfected into host cells to facilitate efficient antibody expression. The MS4A1 recombinant monoclonal antibodies were harvested from the cell culture supernatant and purified using affinity chromatography. This antibody shows reactivity with human and dog MS4A1 protein in ELISA.