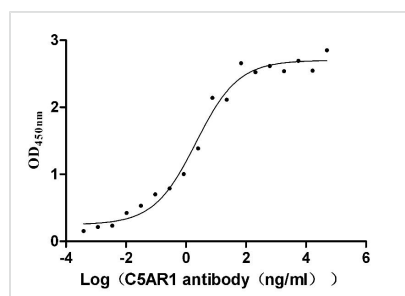




C5AR1 Recombinant Monoclonal Antibody

Product Code	CSB-RA003996A0HU
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Uniprot No.	P21730
Immunogen	Recombinant Human C5AR1 protein
Species Reactivity	Human
Tested Applications	ELISA
Form	Liquid
Conjugate	Non-conjugated
Storage Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Purification Method	Affinity-chromatography
Isotype	hIgG1
Clonality	Monoclonal
Product Type	Recombinant Antibody
Immunogen Species	Homo sapiens (Human)
Research Area	Immunology
Gene Names	C5AR1
Clone No.	3A7

Image



The Binding Activity of Human C5AR1-VLPs with Anti-C5AR1 recombinant Antibody
Activity: Measured by its binding ability in a functional ELISA. Immobilized Human C5AR1 (CSB-MP003996HU) at 10 µg/mL can bind Anti-C5AR1 recombinant antibody, the EC₅₀ is 1.239-3.760 ng/mL.

Description

The synthesis of the C5AR1 recombinant monoclonal antibody involves a meticulous process to ensure its exceptional quality and specificity. It begins by isolating B cells from an immunized animal using the recombinant human C5AR1 protein as the immunogen. Total RNA is extracted from these B cells and converted into cDNA through reverse transcription. The C5AR1 antibody genes are then amplified using specific primers targeting the antibody constant regions and inserted into an expression vector. Through transfection, the vector is introduced into host cells, allowing for the production of the C5AR1 recombinant monoclonal antibody. Following cell culture, the antibody is harvested from the supernatant and subjected to purification using affinity



chromatography, resulting in a highly purified form suitable for various applications. CUSABIO conducts ELISA to validate the antibody's specificity and functionality in detecting human C5AR1 protein.