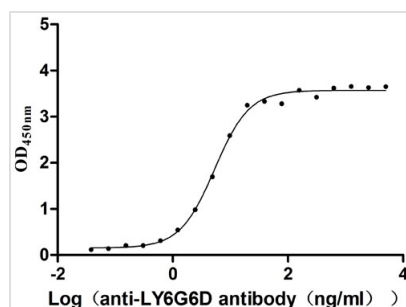




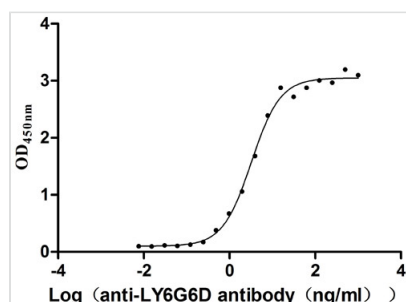
# LY6G6D Recombinant Monoclonal Antibody

<b>Product Code</b>	CSB-RA013246MA1HU
<b>Storage</b>	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
<b>Uniprot No.</b>	O95868
<b>Immunogen</b>	Recombinant Human LY6G6D protein
<b>Species Reactivity</b>	Human, Macaca fascicularis
<b>Tested Applications</b>	ELISA, FC
<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>	LY6G6D
<b>Clone No.</b>	818

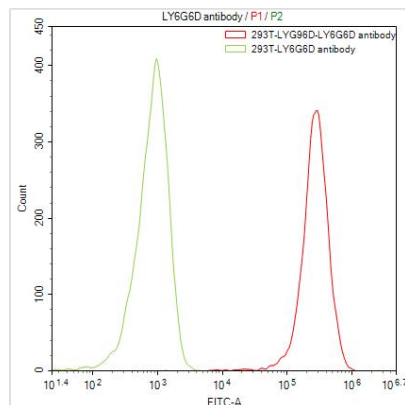
## Image



The Binding Activity of LY6G6D with anti-LY6G6D antibody  
Activity: Measured by its binding ability in a functional ELISA. Immobilized Macaca fascicularis LY6G6D(CSB-YP4607MOV) at 2 µg/mL can bind Anti-LY6G6D recombinant antibody, the EC<sub>50</sub> is 3.963-7.154 ng/mL.



The Binding Activity of LY6G6D with anti-LY6G6D antibody  
Activity: Measured by its binding ability in a functional ELISA. Immobilized Human LY6G6D(CSB-YP013246HU) at 2 µg/mL can bind Anti-LY6G6D recombinant antibody, the EC<sub>50</sub> is 2.816-3.741 ng/mL.



Untransfected HEK293T cells surface (green line) and transfected Human LY6G6D HEK293T stable cells surface (red line) were stained with anti-LY6G6D antibody (CSB-RA013246MA1HU) ( $2\mu\text{g}/1 \times 10^6$  cells), washed and then followed by FITC-conjugated anti-Human IgG Fc antibody and analyzed with flow cytometry.

## Description

The creation of the LY6G6D recombinant monoclonal antibody involves the following steps: 1. LY6G6D antibody generation. Use the recombinant human LY6G6D protein as the immunogen to induce an immune reaction and harvest B cells. 2. Gene cloning. Extract total RNA from the harvested B cells. Convert the RNA into cDNA using reverse transcription. Amplify the LY6G6D antibody genes using PCR with primers specific to the antibody constant regions. Clone the antibody genes into an expression vector. 3. Recombinant antibody expression and purification. Transfect the expression vector containing the LY6G6D antibody genes into host cells for antibody expression. Collect the cell culture supernatant and purify the LY6G6D recombinant monoclonal antibody using affinity chromatography. 4. Antibody characterization and validation. This purified antibody has been tested to recognize and bind to the human and macaca fascicularis LY6G6D protein in ELISA and FC.