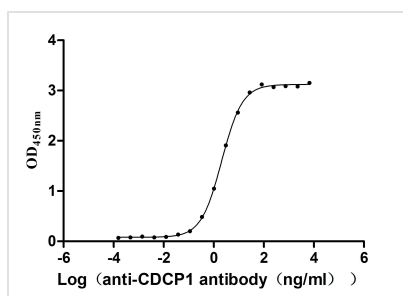




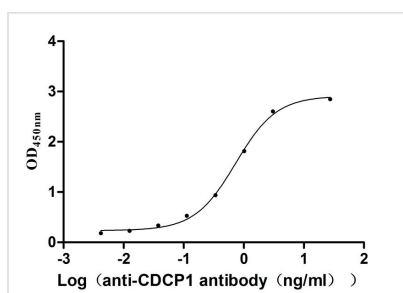
# CDCP1 Recombinant Monoclonal Antibody

<b>Product Code</b>	CSB-RA884474MA1HU
<b>Storage</b>	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
<b>Uniprot No.</b>	Q9H5V8
<b>Immunogen</b>	Recombinant Human CDCP1 protein
<b>Species Reactivity</b>	Human, Mouse, 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>	Cancer; Tags & Cell Markers; Stem cells
<b>Gene Names</b>	CDCP1
<b>Clone No.</b>	30D4

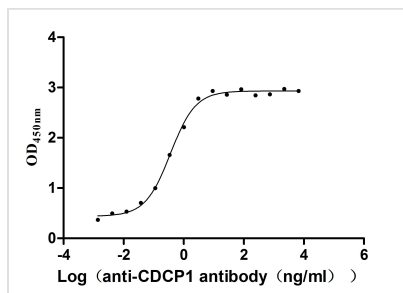
## Image



The Binding Activity of Macaca fascicularis CDCP1 with Anti-CDCP1 recombinant antibody  
Activity: Measured by its binding ability in a functional ELISA. Immobilized Macaca fascicularis CDCP1 (CSB-MP4569MOV) at 2 µg/mL can bind Anti-CDCP1 recombinant antibody, the EC<sub>50</sub> is 1.861-2.330 ng/mL.



The Binding Activity of Mouse CdcP1 with Anti-CDCP1 recombinant antibody  
Activity: Measured by its binding ability in a functional ELISA. Immobilized Mouse CdcP1 (CSB-MP719456MO) at 2 µg/mL can bind Anti-CDCP1 recombinant antibody, the EC<sub>50</sub> is 0.6397-0.8369 ng/mL.



The Binding Activity of Human CDCP1 with Anti-CDCP1 recombinant antibody

Activity: Measured by its binding ability in a functional ELISA. Immobilized Human CDCP1 (CSB-MP884474HU) at 2 µg/mL can bind Anti-CDCP1 recombinant antibody, the EC<sub>50</sub> is 0.2943-0.4429 ng/mL.

## Description

The expression of the CDCP1 recombinant monoclonal antibody typically involves the initial step of incorporating the CDCP1 antibody-encoding gene into expression vectors. These vectors are then introduced into host cells via polyethyleneimine-mediated transfection. Culturing of the host cells leads to the production and secretion of these antibodies. Post-affinity chromatography purification, the antibodies' functionality is evaluated using ELISA, demonstrating their specific binding to the CDCP1 protein from human, mouse, and Macaca fascicularis species. In the functional ELISA, immobilized macaca fascicularis CDCP1 protein (CSB-MP4569MOV) at 2 µg/mL can bind this CDCP1 recombinant monoclonal antibody, with the EC<sub>50</sub> of 1.861-2.330 ng/mL.

CDCP1 is a cell surface protein with a significant role in cell adhesion, migration, invasion, and signaling. Its upregulation in cancer is associated with aggressive tumor behavior, making it a target for potential cancer therapies.