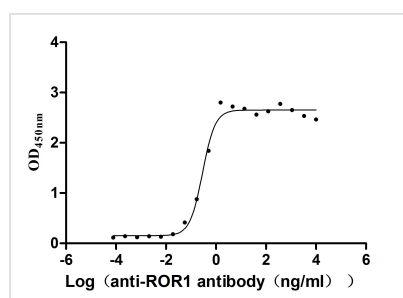




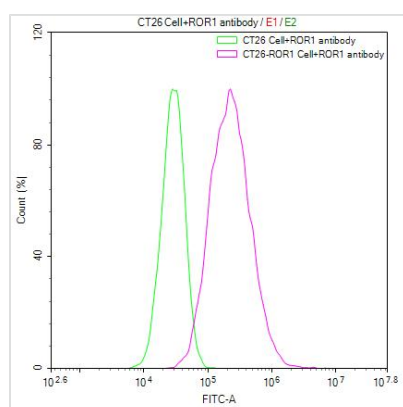
# ROR1 Recombinant Monoclonal Antibody

<b>Product Code</b>	CSB-RA020067A1HU
<b>Storage</b>	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
<b>Uniprot No.</b>	Q01973
<b>Immunogen</b>	Recombinant Human ROR1 protein
<b>Species Reactivity</b>	Human
<b>Tested Applications</b>	ELISA, FC; Recommended dilution: FC:1:50-1:200
<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>	ROR1
<b>Clone No.</b>	7H12

## Image



The Binding Activity of ROR1 with Anti-ROR1 recombinant antibody  
Activity: Measured by its binding ability in a functional ELISA. Immobilized Human ROR1(CSB-MP020067HU1d7) at 2 µg/mL can bind Anti-ROR1 recombinant antibody, the EC<sub>50</sub> is 0.2450-0.3416 ng/mL.



Untransfected CT26 cells (green line) and transfected Human ROR1 CT26 stable cells (red line) were stained with anti-ROR1 antibody (2µg/1\*10<sup>6</sup>cells), washed and then followed by FITC-conjugated anti-Human IgG Fc antibody and analyzed with flow cytometry.



## Description

The synthesis of the ROR1 recombinant monoclonal antibody involves a meticulous process to ensure its exceptional quality and specificity. It begins with the isolation of B cells from an immunized animal, where the recombinant human ROR1 protein is used as the immunogen. Total RNA is extracted from these B cells and converted into cDNA through reverse transcription. The ROR1 antibody genes are then amplified using specific primers designed for the antibody constant regions and inserted into an expression vector. Following transfection, the vector is introduced into host cells, enabling the production of the ROR1 recombinant monoclonal antibody. After cell culture, the antibody is harvested from the supernatant and purified using affinity chromatography, resulting in a highly purified form suitable for diverse applications. Rigorous characterization assays, including ELISA and FC analysis, are performed to validate the antibody's specificity and functionality in detecting human ROR1 protein.