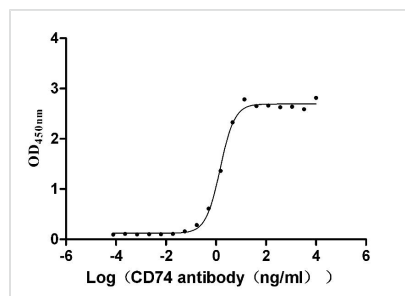




# CD74 Recombinant Monoclonal Antibody

<b>Product Code</b>	CSB-RA004956A1HU
<b>Storage</b>	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
<b>Uniprot No.</b>	P04233
<b>Immunogen</b>	Recombinant Human CD74 protein
<b>Species Reactivity</b>	Human
<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>	CD74
<b>Clone No.</b>	6B4

## Image



The Binding Activity of Human CD74 with Anti-CD74 recombinant antibody  
Activity: Measured by its binding ability in a functional ELISA. Immobilized Human CD74 (CSB-MP004956HU1(F2)) at 2 µg/mL can bind Anti-CD74 recombinant antibody, the EC<sub>50</sub> is 1.317-1.646 ng/mL.

## Description

The generation of the CD74 recombinant monoclonal antibody involves a meticulous process to ensure its exceptional quality and specificity. It begins by isolating B cells from an immunized animal, where the recombinant human CD74 protein is used as the immunogen. Total RNA is extracted from these B cells and converted into cDNA through reverse transcription. The CD74 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 CD74 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. ELISA is performed to validate the antibody's specificity and functionality in detecting human CD74 protein. This rigorous production process ensures the generation of a reliable and effective CD74 recombinant monoclonal antibody, vital for diverse CD74-related research.