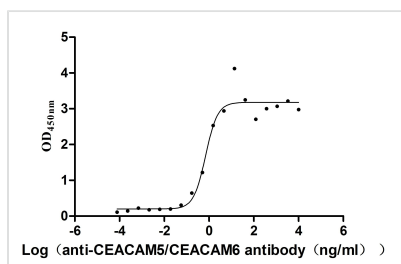




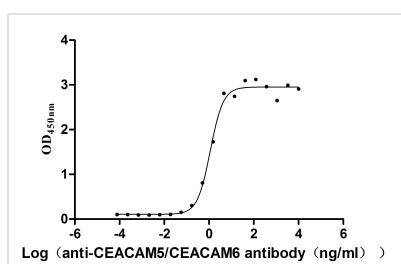
CEACAM5/CEACAM6 Recombinant Monoclonal Antibody

Product Code	CSB-RA005165MA2HU
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Uniprot No.	P06731&P40199
Immunogen	Recombinant Human CEACAM5/CEACAM6 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	CEACAM5/CEACAM6
Clone No.	11A1

Image



The Binding Activity of Human CEACAM5 with Anti-CEACAM5/CEACAM6 Recombinant Antibody
Activity: Measured by its binding ability in a functional ELISA. Immobilized Human CEACAM5 at 2µg/mL can bind Anti-CEACAM5/CEACAM6 recombinant antibody (CSB-RA005165MA2HU), the EC₅₀ is 0.4282-1.151 ng/mL.



The Binding Activity of Human CEACAM6 with Anti-CEACAM5/CEACAM6 recombinant antibody
Activity: Measured by its binding ability in a functional ELISA. Immobilized Human CEACAM6 (CSB-MP005166HU) at 2 µg/mL can bind Anti-CEACAM5/CEACAM6 recombinant antibody, the EC₅₀ is 0.9430-1.377 ng/mL.



Description

CUSABIO undertook a stepwise approach to produce the CEACAM5/CEACAM6 recombinant monoclonal antibody. Initially, B cells were isolated from the spleen of an immunized animal, utilizing recombinant human CEACAM5/CEACAM6 protein as the immunogen during the immunization process. Subsequently, RNA was extracted from the B cells and reversely transcribed into cDNA. Using the cDNA as a template, the gene encoding the CEACAM5/CEACAM6 antibody was extended with a degenerate primer and inserted into a vector. This recombinant vector was then transfected into host cells to enable antibody expression. The CEACAM5/CEACAM6 recombinant monoclonal antibodies were harvested from the cell culture supernatant and purified via affinity chromatography. To validate this antibody's specificity, it underwent testing in ELISA to confirm its reactivity with human CEACAM5 and CEACAM6 proteins.