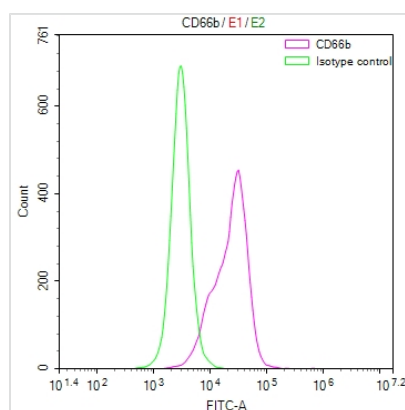




CEACAM8 Recombinant Monoclonal Antibody

Product Code	CSB-RA937940A0HU
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Uniprot No.	P31997
Immunogen	A synthesized peptide derived from Human CEACAM8
Species Reactivity	Human
Tested Applications	ELISA, FC; Recommended dilution: FC:1:50-1:200
Form	Liquid
Conjugate	Non-conjugated
Storage Buffer	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purification Method	Affinity-chromatography
Isotype	Rabbit IgG
Clonality	Monoclonal
Product Type	Recombinant Antibody
Immunogen Species	Homo sapiens (Human)
Research Area	Immunology
Gene Names	CEACAM8
Clone No.	24H12

Image



Overlay Peak curve showing A549 cells surface stained with CSB-RA937940A0HU (red line) at 1:50. Then 10% normal goat serum to block non-specific protein-protein interactions followed by the antibody ($1\mu\text{g}/1 \times 10^6$ cells) for 45min at 4?. The secondary antibody used was FITC-conjugated Goat Anti-rabbit IgG(H+L) at 1:200 dilution for 35min at 4?. Control antibody (green line) was rabbit IgG ($1\mu\text{g}/1 \times 10^6$ cells) used under the same conditions. Acquisition of >10,000 events was performed.

Description

The CEACAM8 recombinant monoclonal antibody production process is initiated with in vitro cloning, wherein genes for both the heavy and light chains of the CEACAM8 antibody are integrated into expression vectors. These vectors are subsequently introduced into host cells, enabling the recombinant antibody's expression within a cell culture setting. Following expression, the CEACAM8 recombinant monoclonal antibody is meticulously purified from the supernatant of transfected host cell lines using affinity chromatography. Significantly, this



antibody exhibits remarkable specificity in its binding to the human CEACAM8 protein and is highly versatile and suitable for ELISA and FC applications.

CEACAM8 is a cell surface receptor primarily found on neutrophils, and its main function is to facilitate the adhesion, migration, and transendothelial passage of neutrophils during the immune response. CEACAM8 is essential for the recruitment of neutrophils to sites of infection or inflammation, where they play a vital role in defending the body against microbial pathogens and contributing to the inflammatory response.