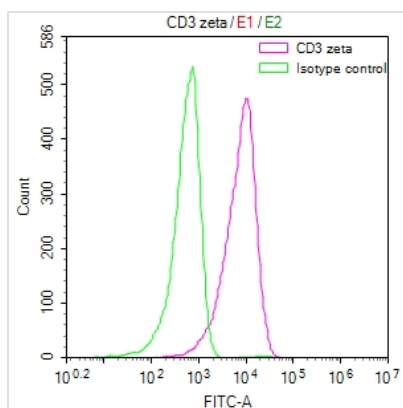




CD247 Recombinant Monoclonal Antibody

Product Code	CSB-RA244537A0HU
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Uniprot No.	P20963
Immunogen	A synthesized peptide derived from Human CD247
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;Stem cells
Gene Names	CD247
Clone No.	21H6

Image



Overlay Peak curve showing Jurkat cells surface stained with CSB-RA244537A0HU (red line) at 1:50. Then 10% normal goat serum to block non-specific protein-protein interactions followed by the antibody (1µg/1*10⁶cells) 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 (1µg/1*10⁶cells) used under the same conditions. Acquisition of >10,000 events was performed.

Description

The process for generating the CD247 recombinant monoclonal antibody typically begins with the incorporation of the CD247 antibody-encoding gene into expression vectors. These vectors are then transferred into host cells via polyethyleneimine. The host cells containing these vectors are cultured to produce and excrete the antibodies. After purification through affinity chromatography, the antibodies undergo evaluations involving ELISA and FC assays, demonstrating their specific binding to the human CD247 protein.



CD247 is a critical component of the TCR complex and plays a central role in T-cell activation and immune responses. It is essential for transmitting signals from the TCR to the interior of T cells, leading to their activation and proliferation in response to specific antigens.