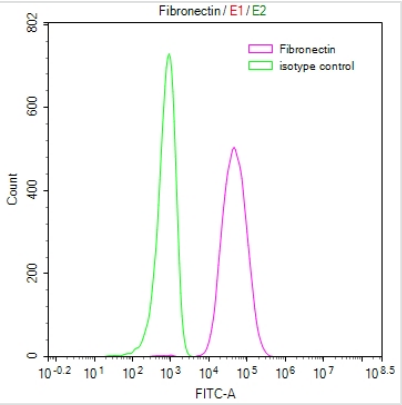
FN1 Recombinant Monoclonal Antibody

Product Code	CSB-RA919940A0HU
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Uniprot No.	P02751
Immunogen	A synthesized peptide derived from Human FN1
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	Cancer?Cardiovascular;Developmental biology;Signal transduction?Stem cells
Gene Names	FN1
Clone No.	25A1

Image



Overlay Peak curve showing 3T3 cells stained with CSB-RA919940A0HU (red line) at 1:50. The cells were fixed in 4% formaldehyde and permeated by 0.2% TritonX-100. Then 10% normal goat serum to block non-specific protein-protein interactions followed by the antibody (1μg/1*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 (1μg/1*10^{6}cells) used under the same conditions. Acquisition of >10,000 events was performed.

Description

The FN1 recombinant monoclonal antibody is synthetically generated in vitro, starting with the harvest of FN1 antibody genes from B cells isolated from immunoreactive rabbits. These genes are then amplified and cloned into suitable phage vectors, which are subsequently introduced into mammalian cell lines to enable the production of functional antibodies. Following this, the FN1 recombinant monoclonal antibody is purified from the culture supernatant of the transfected cell lines through affinity chromatography. This antibody shows good

results in the detection of human FN1 protein in ELISA and FC applications.

Fibronectin (FN1) is a versatile and multifunctional protein found in the extracellular matrix of tissues. Its functions include cell adhesion, tissue development, wound healing, blood clot formation, cell signaling, and its role in various physiological and pathological processes. Fibronectin plays a critical role in maintaining tissue integrity and supporting various cellular activities within the body.