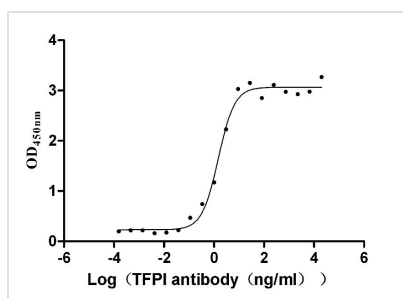




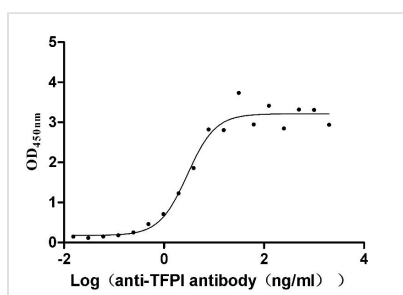
TFPI Recombinant Monoclonal Antibody

Product Code	CSB-RA023437MA01HU
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Uniprot No.	P10646
Immunogen	Recombinant Human TFPI protein
Species Reactivity	Human, Rabbit
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	TFPI
Clone No.	3A8

Image



The Binding Activity of Human TFPI with Anti-TFPI recombinant Antibody
Activity: Measured by its binding ability in a functional ELISA. Immobilized Human TFPI (CSB-MP023437HU) at 1 µg/mL can bind Anti-TFPI recombinant antibody, the EC₅₀ is 1.242-1.788 ng/mL.



The Binding Activity of Rabbit TFPI with Anti-TFPI recombinant Antibody
Activity: Measured by its binding ability in a functional ELISA. Immobilized Rabbit TFPI (CSB-MP023437RB) at 1 µg/mL can bind Anti-TFPI recombinant antibody, the EC₅₀ is 2.281-3.783 ng/mL.

Description

The generation of the TFPI recombinant monoclonal antibody follows a



meticulous process to guarantee its exceptional quality and specificity. It begins by isolating B cells from an immunized animal, with the recombinant human TFPI protein used as the immunogen. Total RNA is then extracted from these B cells and converted into cDNA through reverse transcription. The TFPI antibody genes are amplified using specific primers designed for the antibody constant regions and inserted into an expression vector. This vector is transfected into host cells, enabling the production of the TFPI recombinant monoclonal antibody. After cell culture, the antibody is harvested from the supernatant and purified using affinity chromatography, resulting in a highly purified form ready for various applications. To ensure its reliability, ELISA is performed to validate the antibody's specificity and functionality in recognizing human and rabbit TFPI protein. This rigorous production process ensures the generation of a robust and effective TFPI recombinant monoclonal antibody, indispensable for a wide range of TFPI-related research.