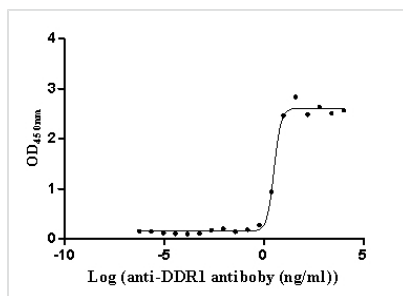




DDR1 Recombinant Monoclonal Antibody

Product Code	CSB-RA006595MA1HU
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Uniprot No.	Q08345
Immunogen	Recombinant Human DDR1 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	DDR1
Clone No.	7F6

Image



The Binding Activity of Human DDR1 with Anti-DDR1 Recombinant Antibody
 Activity: Measured by its binding ability in a functional ELISA. Immobilized Human DDR1(CSB-MP006595HU) at 2 µg/mL can bind Anti-DDR1 recombinant antibody, the EC₅₀ is 2.824-3.810 ng/mL.

Description

CUSABIO employed a meticulous procedure to produce the DDR1 recombinant monoclonal antibody. Initially, B cells were isolated from the immunized animal's spleen, utilizing recombinant human DDR1 protein as the immunogen. Subsequently, RNA was extracted from the B cells and converted into cDNA through reverse transcription. Using the cDNA as a template, the gene encoding the DDR1 antibody was extended using a degenerate primer through PCR and inserted into a vector. The recombinant vector was then introduced into host cells through transfection, enabling efficient antibody expression. The DDR1 recombinant monoclonal antibodies were harvested from the cell culture supernatant and subjected to purification via affinity chromatography. Rigorous



validation, including ELISA testing, was conducted to confirm this antibody's specific reactivity with human DDR1 protein, ensuring its reliability and suitability for a range of applications.