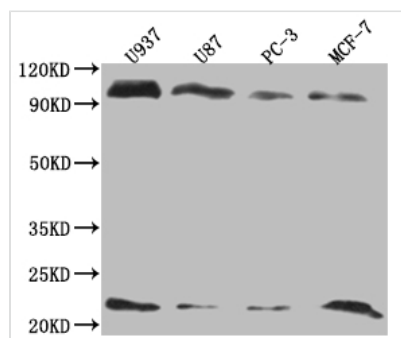




LMO2 Recombinant Monoclonal Antibody

Product Code	CSB-RA825959A0HU
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Uniprot No.	P25791
Immunogen	A synthesized peptide derived from human LMO2
Species Reactivity	Human
Tested Applications	ELISA, WB; Recommended dilution: WB:1:500-1:2000
Relevance	Acts with TAL1/SCL to regulate red blood cell development. Also acts with LDB1 to maintain erythroid precursors in an immature state.
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	Cardiovascular
Gene Names	LMO2
Clone No.	9H9

Image



Western Blot

Positive WB detected in: U937 whole cell lysate, U87 whole cell lysate, PC3 whole cell lysate, MCF-7 whole cell lysate

All lanes: LMO2 antibody at 1:2000

Secondary

Goat polyclonal to rabbit IgG at 1/50000 dilution

Predicted band size: 19, 26, 6 kDa

Observed band size: 20-25, 90-100 kDa

Description

The generation of the LMO2 recombinant monoclonal antibody involves a meticulously designed process to ensure its quality and specificity. Initially, B cells are isolated from an immunized animal, with the synthesized peptide derived from human LMO2 serving as the immunogen. Total RNA is extracted from these B cells and converted into cDNA through reverse transcription. The LMO2 antibody genes are then amplified using specific primers that target the



antibody constant regions and are subsequently inserted into an expression vector. Through transfection, the vector is introduced into host cells, enabling the production of the LMO2 recombinant monoclonal antibody. Following cell culture, the antibody is harvested from the supernatant and purified using affinity chromatography to obtain a highly purified form. The antibody's specificity and functionality are extensively characterized and validated through ELISA and WB analysis, ensuring its precise recognition of human LMO2 protein.