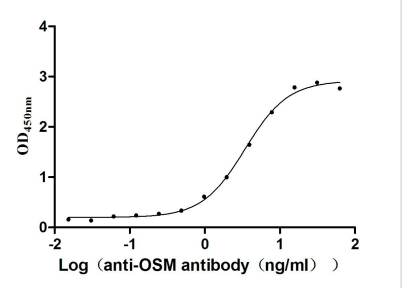
OSM Recombinant Monoclonal Antibody

Product Code	CSB-RA017260MA1HU
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Uniprot No.	P13725
Immunogen	Recombinant Human OSM 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	Cardiovascular;Immunology
Gene Names	OSM
Clone No.	31E7

Image



The Binding Activity of Human OSM with Anti-OSM Recombinant Antibody
Activity: Measured by its binding ability in a functional ELISA. Immobilized Human OSM (CSB-MP017260HU1) at 2 μg/mL can bind Anti-OSM recombinant antibody, the EC_{50} is 3.048-3.860 ng/mL.

Description

The OSM recombinant monoclonal antibody was created by inserting the OSM antibody genes into plasmid vectors. These engineered plasmid vectors were subsequently introduced into suitable host cells using exogenous protein expression techniques to enable antibody production. Following the production phase, the OSM recombinant monoclonal antibody underwent a purification process via affinity chromatography. This antibody is recommended for use in ELISA. In the functional ELISA, this OSM recombinant monoclonal antibody effectively bound to the human OSM protein (CSB-MP017260HU1) at a concentration of 2 μg/mL, with an EC_{50} falling within the range of 3.048 to 3.860 ng/mL.

Oncostatin-M (OSM) is a multifunctional cytokine that plays a central role in various physiological and pathological processes. Its functions include regulating the inflammatory response, modulating immune cells, influencing hematopoiesis, promoting tissue repair, and affecting tumor growth, among other roles.