

Mouse Myeloid Cell Leukemia Sequence 1, Bcl2 Related (MCL1) ELISA Kit-Sandwich

Cat. No.: EK6F434

Product Type: Animal Immunoassay Kits

Size: 48T;96T

Product Overview

BioVenic Mouse Myeloid Cell Leukemia Sequence 1, Bcl2 Related (MCL1) ELISA Kit-Sandwich is designed for the quantitative determination of Mouse MCL1 in serum, plasma, tissue homogenate, cell culture supernatant, cell lysate, and other biological fluids using a Sandwich ELISA method. For research use only.

Specifications

Assay Type	ELISA-Sandwich
Specificity	The assay kit is specific for Mouse Myeloid Cell Leukemia Sequence 1, Bcl2 Related (MCL1).
Target Species	Mouse
Species Reactivity	Mouse
Detection Range	0.17-10 ng/mL
Reproducibility	Intra-Assay: CV < 10%; Inter-Assay: CV < 12%
Assay Time	Around 90 min
Sample Requirement	Serum, plasma, tissue homogenate, cell culture supernatant, cell lysate, and other biological fluids.

Target Information

The induced myeloid leukemia cell differentiation protein Mcl-1 homolog plays a crucial role in regulating apoptosis versus cell survival and is essential for maintaining viability, though not proliferation. It exerts its effects by interacting with various other apoptosis regulators. Isoform 2 of this protein exhibits antiapoptotic activity. In acute myeloid leukemia (AML) mouse models, knocking out the MCL1 gene can lead to the death of tumor cells, significantly improving disease prognosis. Additionally, MCL1 is involved in c-Myc-driven leukemogenesis, indicating that MCL1 is central to the survival of leukemia cells.

Target/Biomarker	Mouse MCL1
Target Synonym	EAT; MCL1L; MCL1S; BCL2L3; TM; Induced Myeloid Leukemia Cell Differentiation Protein Mcl-1; Bcl-2-like protein 3; Bcl-2-related protein EAT/mcl1; mcl1/EAT
Gene ID	17210

Shipping and Storage

This product is shipped with gel ice packs. It is recommended to store at 2-8 °C (Up to 6 months).

The product is for research use only. Not for commercial, prophylactic, diagnostic, or therapeutic applications. Please determine the purpose of the product before purchasing. For further information and inquiry, please contact us.