

Datasheet for ABIN6720142
ESM1 ELISA Kit[Go to Product page](#)

1 Image

Overview

Quantity:	1 kit
Target:	ESM1
Reactivity:	Mouse
Method Type:	Sandwich ELISA
Detection Range:	23.4 pg/mL - 1500 pg/mL
Minimum Detection Limit:	23.4 pg/mL
Application:	ELISA

Product Details

Purpose:	Sandwich ELISA for Quantitative Detection of Antigen
Sample Type:	Cell Culture Supernatant, Plasma (EDTA - heparin), Serum
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Characteristics:	<p>Synonyms: Endothelial cell-specific molecule 1, ESM-1, Esm1, ESM1_HUMAN</p> <p>Background: Endothelial cell-specific molecule 1, also known as Endocan, is a protein that in humans is encoded by the ESM1 gene. This gene encodes a secreted protein which is mainly expressed in the endothelial cells in human lung and kidney tissues. The expression of this gene is regulated by cytokines, suggesting that it may play a role in endothelium-dependent pathological disorders. The transcript contains multiple polyadenylation and mRNA instability signals. ESM-1 has been described as a specific biomarker of tip cells during neoangiogenesis by independent teams. Its expression has been shown to be increase in presence of pro-</p>

Product Details

angiogenic growth factors such as VEGF(vascular endothelial growth factor) or FGF-2(fibroblast growth factor 2).

Gene Name: ESM1

Production: Natural and recombinant mouse ESM1. There is no detectable cross-reactivity with other relevant proteins.

Standard: Expression system for standard: NSO, Immunogen sequence: W20-R184

Target Details

Target:	ESM1
Alternative Name:	ESM1 - Endocan (ESM1 Products)
Gene ID:	71690
NCBI Accession:	NP_076101
UniProt:	Q9QYY7
Pathways:	Growth Factor Binding

Application Details

Application Notes:	<p>Application Note: Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1 mL per well of the 1500pg/mL, 750pg/mL, 419pg/mL, 187.5pg/mL, 93.7pg/mL, 46.8pg/mL, 23.4pg/mL mouse ESM1 standard solutions into the precoated 96-well plate. Add 0.1 mL of the sample diluent buffer into the control well (Zero well). Add 0.1 mL of each properly diluted sample of mouse cell culture supernates, serum or plasma(heparin, EDTA) to each empty well. It is recommended that each mouse ESM1 standard solution and each sample be measured in duplicate.</p> <p>Blood Product Anticoagulant: Heparin Sodium</p> <p>ELISA Dilution: 23.4pg/mL-1500pg/mL</p>
Sample Volume:	100 µL
Plate:	Pre-coated
Restrictions:	For Research Use only

Handling

Storage:	RT,4 °C,-20 °C
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Handling

Storage Comment: Store vials at 4°C prior to opening. Centrifuge product if not completely clear after standing at room temperature. This product is stable for 6 months at 4°C as an undiluted liquid. Dilute only prior to immediate use. For extended storage freeze at -20°C or below for 12 months. Avoid cycles of freezing and thawing.

Images

