

## Who is Lunginnov ?

Lunginnov is today a well-recognized manufacturer of high-quality and **cost-effective** monoclonal antibodies, recombinant proteins and immunoassays for a wide range of research and development applications.

We provide our **innovative tools** to study endothelial dysfunctions in diseases when endothelium gets challenged (sepsis, cancers, obesity, dengue fever, inflammatory diseases, diabetic retinopathies, etc.).

## What is Endocan / ESM-1 ?

Endocan also called ESM-1 (endothelial cell specific molecule 1) was originally discovered as a product of endothelial cells from the lung.

Structurally, **Endocan / ESM-1 is a circulating proteoglycan** of 50 kDa, highly regulated by vascular endothelial growth factor or by tumor necrosis factor alpha. No other molecule is currently known to be a read out of endothelial activation and dysfunction.

Therefore, Endocan / ESM-1 appears as a **unique biomarker** of neoangiogenesis and of vascular remodeling in diseases.

## How to buy ?

By fax: (33) 320 877 884

By e-mail: [commercial@lunginnov.com](mailto:commercial@lunginnov.com)

By courier:

LUNGINNOV SAS  
Campus de l'Institut Pasteur de Lille  
1 rue du Pr Calmette  
59000 Lille  
FRANCE

Online: [www.lunginnov.com](http://www.lunginnov.com)

Our distributors:

Please visit our website for the complete list of our distributors present all around the world

## Informations

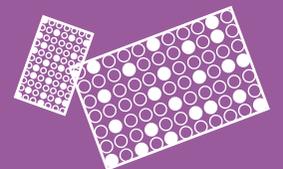
Reagents described here are for **Research Use Only** and are not intended for Diagnostic or Therapeutic Use.

All our innovative products are manufactured in France.

All our tools to study endothelial dysfunctions have been validated by peer-reviewed publications since 2001.



## Discover Our Range Of ELISA Kits



## Our DIYEK format

The **DIYEK «Do It Yourself» ELISA Kit** (LIK-1101) is a development kit that contains the key components to realize two ELISA plates.

Therefore you can run 88 samples in duplicate. The **DIYEK** formats are intended for experienced ELISA users.

Reference	Product Name
LIK-1101	DIYEK H1 (detect human Endocan / ESM-1)
LIK-1102	DIYEK M1 (detect mouse Endocan / ESM-1)
LIK-1103	DIYEK R1 (detect rat Endocan / ESM-1)

At Lunginnov, we develop also unique tools to study mouse and rat Endocan / ESM-1 as pertinent biomarkers of endothelial dysfunctions in animal studies.



## Our ELISA Kits

Lunginnov commercializes 3 formats of ELISA kits to detect and quantify Endocan / ESM-1 in biological fluids.

Our ELISA kits are all sandwich ELISA using monoclonal antibodies that allow highly specific and accurate detection and quantification of human, monkey, mouse or rat Endocan / ESM-1.

All immunoassays are optimized for serum, plasma, vitreous, ascite fluids, cell culture supernatants and extracts. Only 100 µl supernatant is required for Endocan / ESM-1 quantification.

We also commercialized buffers and companion reagents for ELISA kits (check out our range of Ancillary Products).

For a detailed list of all our products, please visit our website : [www.lunginnov.com](http://www.lunginnov.com)

## Our MI-DIYEK and JDIEK formats

The **MI-DIYEK format (LIK-1201)**  
«Microplate included Do it Yourself» ELISA Kit

The MI-DIYEK H1 (LIK-1201) is an ELISA kit that included a 96-well microplate coated with a monoclonal anti-endocan antibody. You can then process 40 samples in duplicate.

Reference	Product Name
LIK-1201	MI-DIYEK H1 (detect human Endocan / ESM-1)

The **JDIEK format (LIK-1205)**  
«Just Do It» ELISA Kit

The JDIEK (LIK-1205) is a complete ELISA kit with all reagents and buffers required to quantify Endocan / ESM-1. You receive it, you just do it !

Reference	Product Name
LIK-1205	JDIEK (detect human Endocan / ESM-1)

