



Endocan Research Products



All you need to study Endocan

Biothelis offers numerous products **Research Use Only** for laboratories studying the Endocan molecule.

Endocan has been described as a biomarker of pulmonary endothelial dysfunction. Early variations of blood levels of Endocan have been shown to predict nosocomial pneumonia or acute respiratory failure depending on the clinical context: septic shock, polytrauma, thoracic surgery, mechanical ventilation, and COVID19 (De Freitas Caires N et al., Crit Care, 2018, review). Indeed, BIOTHELIS is now introducing the measurement of blood endocan as an in vitro diagnostic medical device in French university Hospitals like Lille and Paris.

Additionally, Endocan has also been shown to be strongly associated with angiogenesis, particularly involved in tumor growth.

Nevertheless, much remains to be done to fully understand the reel functions of endocan, BIOTHELIS offers the best tools for exploring the functions of human and animal endocan in experimental designs.

Our tools are all purified by affinity chromatography in native conditions, tested for their activities, and stored without conservatives.

Please feel free to contact us at contact@biothelis.fr for more information, quotation or orders.

1 ANTIBODIES

| Reference | Designation | Specificity | Quantity | Application | Reactivity |
|-----------|-------------------------------|-------------|----------|---------------------------|----------------------------------|
| LIA-0901 | Anti-Endocan Ab, clone MEP08 | N-TER | 100 µg | IHC | Hu, Chk, Monkey |
| LIA-0902 | Anti-Endocan Ab, clone MEP21 | N-TER | 100 µg | WB | Human |
| LIA-0905 | Anti-Endocan Ab, clone GGR222 | N-TER | 100 µg | WB | Mouse, Rat |
| LIA-1001 | Anti-Endocan Ab, clone MEP14 | C-TER | 100 µg | IHC, WB, ELISA | Hu, Chk, Rat, Pig, Mouse, Monkey |
| LIA-1002 | Anti-Endocan Ab, clone MEC15 | N-TER | 100 µg | WB, ELISA, Flow cytometry | Human, Monkey |
| LIA-1003 | Anti-Endocan Ab, clone MEP19 | C-TER | 100 µg | IP | Human |
| LIA-1101 | Anti-Endocan Ab, clone GGR237 | Internal | 100 µg | IP | Mouse, Rat |

IHC: Immunohistochemistry; WB: Western Blot; IP: Immunoprecipitation; Hu: Human; Chk: Chicken

All our innovative products (monoclonal antibodies, ELISA kits and recombinant proteins) are validated by **peer-reviewed publications**.

2 RECOMBINANT PROTEINS

| Reference | Designation | Application | Qty |
|--------------|--|---------------|-------|
| LIP-1001-10U | Human Endocan/ESM-1 50 kDa (recombinant) | Bioassay / WB | 10 µg |
| LIP-1001-50U | Human Endocan/ESM-1 50 kDa (recombinant) | Bioassay / WB | 50 µg |
| LIP-1002-10U | Human Endocan/ESM-1 20 kDa (recombinant) | Bioassay / WB | 10 µg |
| LIP-1002-50U | Human Endocan/ESM-1 20 kDa (recombinant) | Bioassay / WB | 50 µg |

IHC: Immunohistochemistry; WB: Western Blot

3 ELISA KITS (LIK –...)

| Reference | Designation | Application | Qty |
|-------------|---|---|-------|
| LIK-1101 | DIYEK H1 To prepare two 96 well plates Development kit | Human Endocan/ESM-1 Monkey Endocan/ESM-1 | ELISA |
| LIK-1101B5 | DIYEK H1 To prepare five 96 well plates Development kit | Human Endocan/ESM-1 | ELISA |
| LIK-1101B10 | DIYEK H1 To prepare ten 96 well plates Development kit | Human Endocan/ESM-1 | ELISA |
| LIK-1101B25 | DIYEK H1 To prepare twenty-five 96 well plates / Development kit | Human Endocan/ESM-1 | ELISA |
| LIK-1102 | DIYEK M1 To prepare two 96 well plates Development kit | Mouse Endocan/ESM-1 | ELISA |
| LIK-1103 | DIYEK R1 To prepare two 96 well plates Development kit, Contains all buffers and reagents, Ready to use kit | Rat Endocan/ESM-1 | ELISA |
| LIK-1205 | JDIEK H1 To realize one 96 well plate | Human Endocan/ESM-1 | ELISA |
| LIK-1501 | DIYEK C1 To prepare one 96 well plate for each biomarker / Development kit (analysis of 160 samples) | Human Endocan and CG-cleaved Endocan | ELISA |
| LIK-1501B5 | DIYEK C1 To prepare five 96 well plate for each biomarker / Development kit (analysis of 400 samples) | Human Endocan and CG-cleaved Endocan | ELISA |

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|--------------------|---|--------------------------------------|-------|
| LIK-1501B10 | DIYEK C1 To prepare ten 96 well plate for each biomarker / Development kit (analysis of 800 samples) | Human Endocan and CG-cleaved Endocan | ELISA |
| LIK-1501B25 | DIYEK C1 To prepare twenty-five 96 well plate for each biomarker / Development kit (analysis of 2200 samples) | Human Endocan and CG-cleaved Endocan | ELISA |

More details about our range of ELISA kits on www.biothelis.fr

5 Miscellaneous PRODUCTS FOR ELISA

| Reference | Designation | Application | Qty |
|-----------------|-------------------------------|-------------|--------|
| LIP-1101 | Standard Human Endocan/ESM-1 | ELISA | 100 ng |
| LIP-1104 | Standard Murine Endocan/ESM-1 | ELISA | 100 ng |
| LIM-1201 | Buffer B (10X) | ELISA | 100 ml |
| LIM-1202 | Buffer C (10X) | ELISA | 10 ml |
| LIM-1206 | ELISA Buffer (20X) | ELISA | 75 ml |
| LIM-1207 | TMB | ELISA | 12 ml |
| LIM-1209 | Stop Solution | ELISA | 12 ml |
| LIM-1210 | Buffer A | ELISA | 75 ml |

6 BULK PREPARATION

BIOTHELIS customers have the possibility to obtain their molecules of interest in a **customized form** (vial size, concentration, carrier proteins, etc.).

We can provide you with products in a formulation and/or a vial size adjusted to your experimental setting requirement (molecular interactions, coupling reaction, pre-clinical experiments, with additional carrier protein or not, etc).

Do not hesitate to contact us for quotation! To order BIOTHELIS products in bulk sizes, you may request the dedicated "Bulk Price List" at: contact@biothelis.fr