

## Endothelial Cells

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## **Definition**

**Endothelial cells form the inner lining of a blood vessel and provides an anticoagulant barrier between the vessel wall and blood. Endothelial cells also generate an antithrombotic surface that facilitates transit of plasma and cellular constituents throughout the vasculature. As a selective permeability barrier, the endothelial cell is a unique multifunctional cell with critical basal and inducible metabolic and synthetic functions. The endothelial cell reacts with physical and chemical stimuli within the circulation and regulates hemostasis, vasomotor tone, and immune and inflammatory responses. In addition, the endothelial cell is pivotal in angiogenesis and vasculogenesis.**

## **Application for endothelial cells**

**Endothelial cells from Creative Bioarray have been isolated from human normal, diseased donors of various tissues and animals such as mouse, rat, monkey and bovine with high purity, low passage, rigorous characterization and performance tested. Those cells have numerous applications as below:**

- ☆ **Vascular Biology**
- ☆ **Inflammation**
- ☆ **Angiogenesis**
- ☆ **Atherosclerosis**
- ☆ **Blood clotting**
- ☆ **Vasoconstriction and vasodilation**
- ☆ **Tubule formation assays**

## **Summary**

**Get Endothelial Cells And Media Cells And Media from Creative Bioarray. All cell products are isolated from human normal, diseased donors and animals with high purity, low passage, rigorous characterization and performance tested.**